DOCUMENT RESUME

ED 278 403 IR 051 762

AUTHOR Daval, Nicola, Comp.; Lichtenstein, Alexander, Comp.
TITLE ARL Statistics, 1984-85. A Compilation of Statistics from the One Hundred and Eighteen Members of the Association of Research Libraries.
INSTITUTION Association of Research Libraries, Washington, D.C.
PUB DATE 86
NOTE 70p.; For the 1983-84 ARL statistics, see ED 256 357.
AVAILABLE FROM Association of Research Libraries, 1527 New Hampshire Ave. NW, Washington, DC 20036 (ARL members $10.00 per year; nonmembers $15.00).
PUB TYPE Statistical Data (110) -- Tests/Evaluation Instruments (160)

EDRS PRICE MF01/PC03 Plus Postage.
DESCRIPTORS *Academic Libraries; Doctoral Programs; Enrollment; Higher Education; Interlibrary Loans; *Library Collections; *Library Expenditures; *Library Personnel; *Library Statistics; Library Surveys; Microforms; Questionnaires; *Research Libraries; Statistical Analysis; Tables (Data)
IDENTIFIERS *Association of Research Libraries; Rank Order

ABSTRACT

This report presents data compiled from the 118 libraries that were members of the Association of Research Libraries (ARL) during the 1984-85 fiscal year. A guide to library code numbers provides a complete list of ARL members. Data tables describe research library collections, interlibrary loans, expenditures, and staffing in fiscal 1985. Further report sections include: an analysis of selected variables; Ph.D. and enrollment statistics; a summary of rank order tables for ARL university libraries; and rank order tables for volumes in library, volumes added (gross), microform holdings, current serials, professional staff, nonprofessional staff, total staff, materials expenditures, materials and binding expenditures, salaries and wages expenditures, total operating expenditures, total items loaned, total items borrowed, and current serials expenditures. A copy of the ARL statistics questionnaire and footnotes and a listing of ARL statistical publications are included. (KM)

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ED278403

# ARL STATISTICS

# 1984-85

## A COMPILATION OF STATISTICS FROM THE ONE HUNDRED AND EIGHTEEN MEMBERS OF THE ASSOCIATION OF RESEARCH LIBRARIES

Compiled by
Nicola Daval
and
Alexander Lichtenstein

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ASSOCIATION OF RESEARCH LIBRARIES
WASHINGTON, D.C.
1986

The ARL Statistics is published annually by the Association of Research Libraries, 1527 New Hampshire Avenue, N.W., Washington, D.C. 20036.

Price: ARL members, $10.00/year
Nonmembers, $15.00/year

ARL statistical data are also available from the Association in machine readable form.

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**Association of Research Libraries.**
ARL statistics.
Washington, Association of Research Libraries.
v. 29 cm.

Began with 1074/75 issue.
Continues: Academic library statistics, ISSN 0571-6519.
Key title: ARL statistics, ISSN 0147-2135

1. Libraries, University and college—United States—Statistics—Collected works. 2. Research libraries—United States—Statistics—Collected works. 3. Libraries, University and college — Canada — Statistics—Collected works. 4. Research libraries—Canada—Statistics—Collected works. I. Title.

Z675.U5A78 027.773 77-647280
MARC-S

Library of Congress 77

Printed in the United States of America

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# INTRODUCTION

The 1984-85 ARL Statistics presents data from the 118 U.S. and Canadian research libraries that were members of the Association during the 1984-85 fiscal year. Laval University became ARL's fifteenth Canadian member in 1985, and its data are included for the first time. The ARL membership consists of 106 university libraries and 12 public or private, independent research libraries. A complete list of members is found in the "Guide to Library Code Numbers" on page 5a.

It is important to state at the outset that these data are descriptive indices of the size of research libraries, their staffs, and expenditures, along with Ph.D. and enrollment data for the universities. None of the tables or the analyses represent qualitative measures, and the reader is cautioned against making qualitative judgments on the basis of these data.

The ARL Statistics provide a substantial body of descriptive information. Taken together with the "Princeton Statistics," which cover the years 1919-20 to 1962-63, they provide researchers and practitioners with a wealth of information stretching back 65 years.[1] The Committee on ARL Statistics, together with designated staff, is the body charged to oversee and operate the Association's statistical programs and publications. The committee meets several times each year to review data elements, definitions, and instructions, as well as to examine suggestions, comments, and criticisms from members. Ideas, comments, and criticisms are always welcome and can provide stimuli to the group to reexamine issues and elements, which in turn strengthen the statistics.

Research libraries are dynamic and evolving organizations responsible for an increasingly broad spectrum of information services for their client groups. The pace of introduction of technological advances into libraries and the onset of the "information age" contribute to the dynamism and focus attention on research libraries. Such change is the source of a dilemma for the Statistics Committee. How does ARL retain historical comparability of data and at the same time introduce new data elements more descriptive of the changing research library and its operations and services? The committee wrestles with this question at every meeting, attempting to achieve balance between the two extremes. Changing statistical elements is time-consuming and difficult, and a costly burden for libraries. With large, complex research library systems and varying institutional fiscal years, it normally takes at least two years from the time a new data element is introduced until all members can adjust procedures to provide the requested information relatively routinely.

Many other issues are on the committee's current agenda. These include: development of library performance and output measures; less reliance on data about collection size and introduction of measures of access to information; use of sampling instead of total record-keeping; improved reporting and comparability of data; consistency of reporting with previous years and with other agencies; development of an ARL Price Index; additional analyses that can be cone with current data; and, to reduce the effort and cost for libraries, greater standardization of elements and definitions with those of other programs such as the Higher Education General Information Survey (HEGIS), the Association of College and Research Libraries (ACRL), and the Canadian Association of Research Libraries (CARL).

As the reader turns to the data presented in the 1984-85 tables, attention is drawn to the questionnaire and instructions for an understanding of the definitions used. Attention should be paid to the footnotes to various tables in order to identify variant reporting practices of individual institutions which often reflect local goals and characteristics. Separate information on the holdings of law school libraries may be found in the spring issue of Law Library Journal, and U.S. and Canadian medical school library data is published by the Association of Academic Health Sciences Library Directors. Canadian expenditures are expressed in U.S. dollars; the exchange rate used for 1984-85 is $1.3388 Canadian dollars to one U.S dollar.[2]

The ARL Library Index is not included in this year's publication due to ongoing studies of several related issues.

Again, the rank order tables and other data in this publication are quantitative and descriptive and are not intended for use in making qualitative evaluations of the libraries described.

Herbert F. Johnson
Chair, Committee on ARL Statistics
Director of Libraries
Emory University
January 30, 1986

References:

1 See p. 66 for a complete listing of ARL statistical publications.

2 The rate used is the average monthly noon exchange rate published in the Bank of Canada Review for the period July 1984-June 1985. Expenditures as reported in Canadian dollars are given in the "Footnotes" to the ARL Statistics.

GUIDE TO LIBRARY CODE NUMBERS

## GUIDE TO LIBRARY CODE NUMBERS

The institutions listed below are the 118 institutions that were members of the Association of Research Libraries in 1985. Each has been assigned a code number for use on the data tables on pages 8-17 in place of the names of the institutions. (See columns labeled "Library Code No." to the left of columns 1 and 12). Numbers 1-106 have been used to designate the 106 university library members of the Association. Numbers 107-118 designate the 12 nonuniversity members.

1. Alabama
2. Alberta
3. Arizona
4. Arizona State
5. Boston
6. Brigham Young
7. British Columbia
8. Brown
9. Calif., Berkeley
10. Calif., Davis
11. Calif., Irvine
12. Calif., Los Angeles
13. Calif., Riverside
14. Calif., San Diego
15. Calif., Santa Barbara
16. Case Western Reserve
17. Chicago
18. Cincinnati
19. Colorado
20. Colorado State
21. Columbia
22. Connecticut
23. Cornell
24. Dartmouth
25. Delaware
26. Duke
27. Emory
28. Florida
29. Florida State
30. Georgetown
31. Georgia
32. Georgia Tech
33. Guelph
34. Harvard
35. Hawaii
36. Houston
37. Howard
38. Illinois
39. Indiana
40. Iowa
41. Iowa State
42. Johns Hopkins
43. Kansas
44. Kent State
45. Kentucky
46. Laval
47. Louisiana State
48. McGill
49. McMaster
50. Manitoba
51. Maryland
52. Massachusetts
53. MIT
54. Miami
55. Michigan
56. Michigan State
57. Minnesota
58. Missouri
59. Nebraska
60. New Mexico
61. New York
62. North Carolina
63. North Carolina St.
64. Northwestern
65. Notre Dame
66. Ohio State
67. Oklahoma
68. Oklahoma State
69. Oregon
70. Pennsylvania
71. Pennsylvania State
72. Pittsburgh
73. Princeton
74. Purdue
75. Queen's
76. Rice
77. Rochester
78. Rutgers
79. Saskatchewan
80. South Carolina
81. Southern California
82. Southern Illinois
83. Stanford
84. SUNY-Albany
85. SUNY-Buffalo
86. SUNY-Stony Brook
87. Syracuse
88. Temple
89. Tennessee
90. Texas
91. Texas A & M
92. Toronto
93. Tulane
94. Utah
95. Vanderbilt
96. Virginia
97. Virginia Polytechnic
98. Washington
99. Washington State
100. Washington Univ., St. Louis
101. Waterloo
102. Wayne State
103. Western Ontario
104. Wisconsin
105. Yale
106. York
*107. Boston Public Library
*108. Canada Inst. for Sci. & Tech. Info.
*109. Center for Research Libraries
*110. Library of Congress
*111. Linda Hall Library
*112. National Agricultural Library
*113. National Library of Canada
*114. National Library of Medicine
*115. Newberry Library
*116. New York Public Library
*117. New York State Library
*118. Smithsonian Institution

*Nonuniversity library

# ARL Library Data Table

| LIBRARY CODE NO. | COLLECTIONS | | | | | INTERLIBRARY LOANS | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | LOANED | | | BORROWED | | |
| | VOLUMES IN LIBRARY | VOLUMES ADDED (Gross) | VOLUMES ADDED (NET) | TOTAL MICROFORM UNITS IN LIBRARY | CURRENT SERIALS | ORIGINALS | PHOTOCOPIES | TOTAL | ORIGINALS | PHOTOCOPIES | TOTAL |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 1 +LM | 1,612,375 | 53,632 | 53,234 | 1,154,801 | 15,644 | 4,152 | 2,671 | 6,823 | 2,373 | 1,551 | 3,924 |
| 2 +LM | 2,476,532 | 81,322 | 77,823 | 2,029,107 | 21,234 | 4,900 | 8,556 | 13,456 | 3,966 | 5,634 | 9,600 |
| 3 +LM | 3,049,172 | 115,233 | 111,989 | 2,906,485 | 33,616 | 12,027 | 25,651 | 37,678 | 4,021 | 3,154 | 7,175 |
| 4 L | 2,000,762 | 99,398 | 88,621 | 2,075,398 | 27,803 | 9,930 | 10,265 | 20,195 | 6,411 | 7,050 | 13,461 |
| 5 +LM | 1,546,525 | 62,603 | 50,761 | 2,189,080 | 27,074 | 2,334 | 3,716 | 6,050 | 2,785 | 6,242 | 9,027 |
| 6 + | 1,744,081 | 67,213 | 63,813 | 1,311,392 | 16,722 | 3,681 | 3,370 | 7,051 | 3,790 | 5,736 | 9,526 |
| 7 +LM | 2,465,584 | 120,672 | 115,483 | 3,193,609 | 35,299 | 9,384 | 6,340 | 15,724 | 3,992 | 5,653 | 9,645 |
| 8 +bG | 1,966,160 | 48,429 | 46,745 | 901,846 | 15,195 | 2,691 | 4,163 | 6,854 | 3,103 | 1,696 | 4,799 |
| 9 L | 6,610,872 | 301,411 | 106,642 | 3,146,663 | 94,108 | 11,030 | 20,579 | 31,609 | 7,619 | 4,670 | 12,289 |
| 10 +bLM | 1,995,437 | 91,181 | 85,063 | 2,105,941 | 47,874 | 9,601 | 20,946 | 30,547 | 3,312 | 2,672 | 5,984 |
| 11 M | 1,178,819 | 58,530 | 57,909 | 1,322,227 | 16,918 | 8,015 | 3,919 | 11,934 | 3,213 | 4,003 | 7,216 |
| 12 +LM | 5,365,264 | 230,945 | 192,657 | 3,601,884 | 83,804 | 9,949 | 36,106 | 46,055 | 6,385 | 1,908 | 8,293 |
| 13 + | 1,204,419 | 45,648 | 42,988 | 1,025,922 | 13,349 | 4,316 | 2,507 | 6,823 | 3,286 | 4,691 | 7,977 |
| 14 +M | 1,698,201 | 76,857 | 65,729 | 1,120,220 | 30,927 | 4,384 | 8,725 | 13,109 | 2,955 | 2,463 | 5,418 |
| 15 +b | 1,698,590 | 57,223 | 56,303 | 2,012,402 | 20,237 | 2,908 | 6,599 | 9,507 | 5,425 | 3,766 | 9,191 |
| 16 +bGLM | 1,469,190 | 28,398 | 22,590 | 597,108 | 11,974 | N/A | N/A | 37,337 | N/A | N/A | 8,937 |
| 17 +LM | 4,660,683 | 523,485 | (133,421) | 1,411,921 | 47,796 | 3,167 | 38,115 | 41,282 | 3,205 | 1,081 | 4,286 |
| 18 +GLM | 1,469,931 | 44,970 | 40,751 | 1,743,026 | 18,794 | 8,112 | 18,271 | 26,383 | 3,826 | 4,910 | 8,736 |
| 19 +L | 2,051,953 | 47,491 | 42,257 | 2,810,799 | 22,486 | 5,718 | 6,486 | 12,204 | 4,609 | 2,848 | 7,457 |
| 20 + | 1,446,036 | 54,287 | 44,192 | 1,075,957 | 17,390 | 3,539 | 6,718 | 10,257 | 3,886 | 4,302 | 8,188 |
| 21 +LM | 5,459,972 | 113,182 | 82,966 | 3,178,254 | 61,958 | N/A | N/A | 22,463 | N/A | N/A | 6,705 |
| 22 +GLM | 1,960,607 | 101,616 | 95,471 | 2,056,597 | 18,634 | 9,260 | 14,111 | 23,371 | 4,342 | 4,743 | 9,085 |
| 23 +L | 4,874,447 | 121,347 | 105,320 | 3,522,702 | 55,365 | 7,397 | 18,230 | 25,627 | 3,944 | 4,652 | 8,596 |
| 24 +M | 1,605,240 | 49,302 | 46,860 | 1,662,640 | 19,534 | 5,509 | 4,561 | 10,070 | 3,143 | 3,669 | 6,812 |
| 25 +G | 1,668,896 | 53,849 | 53,849 | 1,263,165 | 19,576 | 5,245 | 2,774 | 8,019 | 1,686 | 1,286 | 2,972 |

B - INCLUDES BRANCH CAMPUSES
G - GOVERNMENT DOCUMENTS NOT INCLUDED IN SERIALS COUNT
L - INCLUDES LAW LIBRARY
M - INCLUDES MEDICAL LIBRARY
N/A - NOT AVAILABLE
+ - SEE FOOTNOTES
b - BIBLIOGRAPHIC COUNT

# ARL Library Data Table

| | EXPENDITURES | | | | | | | PERSONNEL (FTE) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LIBRARY CODE NO. | LIBRARY MATERIALS | CURRENT SERIALS | BINDING | TOTAL MATERIALS & BINDING | TOTAL SALARIES & WAGES | OTHER OPERATING EXPENDITURES | TOTAL LIBRARY OPERATING EXPENDITURES | PROF. STAFF | NON-PROF. STAFF | STUDENT ASSTS. | TOTAL STAFF |
| | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| 1 | 1,974,188 | 1,027,904 | 99,109 | 2,073,297 | 2,374,957 | 487,289 | 4,935,543 | 52 | 67 | 57 | 176 |
| 2 | 2,686,758 | 1,454,286 | 99,722 | 2,786,480 | 6,983,390 | 1,020,065 | 10,789,935 | 83 | 282 | 33 | 398 |
| 3 | 4,256,069 | 2,068,870 | 257,374 | 4,513,443 | 5,131,403 | 1,200,164 | 10,845,010 | 91 | 183 | 88 | 362 |
| 4 | 3,401,502 | 1,791,653 | 166,185 | 3,567,687 | 3,866,930 | 1,149,836 | 8,604,453 | 66 | 173 | 53 | 292 |
| 5 | 2,500,588 | 1,468,437 | 153,835 | 2,654,423 | 3,483,003 | 946,528 | 7,083,954 | 64 | 144 | 76 | 284 |
| 6 | 2,349,046 | 845,194 | 82,298 | 2,431,344 | 3,721,083 | 2,010,556 | 8,162,983 | 75 | 56 | 157 | 288 |
| 7 | 2,815,287 | 1,281,745 | 134,947 | 2,950,234 | 7,459,179 | 1,535,559 | 11,944,972 | 104 | 285 | 48 | 437 |
| 8 | 2,146,428 | 980,674 | 139,110 | 2,285,538 | 3,146,380 | 1,094,127 | 6,526,045 | 68 | 101 | 51 | 220 |
| 9 | 5,115,266 | 2,721,203 | 519,750 | 5,635,016 | 14,751,484 | 2,786,299 | 23,172,799 | 170 | 296 | 255 | 721 |
| 10 | 3,703,014 | 1,994,015 | 345,092 | 4,048,106 | 5,848,301 | 1,153,793 | 11,050,200 | 67 | 182 | 59 | 308 |
| 11 | 2,779,486 | 1,323,855 | 191,467 | 2,970,953 | 3,795,603 | 704,436 | 7,470,992 | 46 | 92 | 54 | 192 |
| 12 | 5,849,917 | 2,586,502 | 613,862 | 6,463,779 | 13,129,007 | 4,316,832 | 23,909,618 | 190 | 282 | 220 | 692 |
| 13 | 2,044,019 | 910,068 | 153,653 | 2,197,672 | 2,996,239 | 572,146 | 5,766,057 | 34 | 99 | 32 | 165 |
| 14 | 3,093,398 | 1,155,299 | 240,335 | 3,333,733 | 4,909,975 | 1,755,666 | 9,999,374 | 61 | 155 | 56 | 272 |
| 15 | 2,672,877 | 1,230,902 | 215,568 | 2,888,445 | 4,799,375 | 891,986 | 8,579,806 | 56 | 137 | 43 | 236 |
| 16 | 1,553,096 | 1,079,692 | 71,589 | 1,624,685 | 2,775,158 | 879,670 | 5,279,513 | 72 | 70 | 41 | 183 |
| 17 | 2,979,870 | 1,591,068 | 246,623 | 3,226,493 | 5,947,326 | 2,264,544 | 11,438,363 | 77 | 173 | 84 | 334 |
| 18 | 2,448,460 | 1,337,138 | 128,075 | 2,576,535 | 4,264,431 | 1,319,800 | 8,160,766 | 68 | 122 | 72 | 262 |
| 19 | 2,127,094 | 1,324,154 | 121,908 | 2,249,002 | 3,397,997 | 424,050 | 6,071,049 | 45 | 96 | 52 | 193 |
| 20 | 1,416,294 | 1,100,000 | 93,637 | 1,509,931 | 2,732,314 | 1,216,719 | 5,458,964 | 43 | 80 | 29 | 152 |
| 21 | 4,260,392 | 2,096,101 | 392,850 | 4,653,242 | 9,195,626 | 2,370,387 | 16,219,255 | 133 | 280 | 140 | 553 |
| 22 | 2,398,835 | 1,221,153 | 138,743 | 2,537,578 | 3,904,812 | 718,149 | 7,160,539 | 61 | 103 | 58 | 222 |
| 23 | 4,331,291 | N/A | 239,235 | 4,570,526 | 7,859,142 | 2,241,104 | 14,670,772 | 157 | 300 | 76 | 533 |
| 24 | 1,910,428 | 1,115,033 | 62,519 | 1,972,947 | 2,385,011 | 714,342 | 5,072,300 | 41 | 105 | 34 | 180 |
| 25 | 2,756,606 | 1,126,791 | 153,108 | 2,909,714 | 2,308,804 | 425,316 | 5,643,834 | 43 | 94 | 29 | 166 |

# ARL Library Data Table

| LIBRARY CODE NO. | COLLECTIONS | | | | | INTERLIBRARY LOANS | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | LOANED | | | BORROWED | | |
| | VOLUMES IN LIBRARY | VOLUMES ADDED (Gross) | VOLUMES ADDED (NET) | TOTAL MICROFORM UNITS IN LIBRARY | CURRENT SERIALS | ORIGINALS | PHOTOCOPIES | TOTAL | ORIGINALS | PHOTOCOPIES | TOTAL |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 26 +GLM | 3,458,720 | 82,259 | 77,017 | 1,214,139 | 29,588 | 7,429 | 21,047 | 28,476 | 2,811 | 1,979 | 4,790 |
| 27 +LM | 1,888,061 | 60,454 | 54,142 | 1,371,077 | 17,549 | 11,380 | 13,490 | 24,870 | 2,535 | 2,559 | 5,094 |
| 28 +GLM | 2,474,542 | 70,284 | 58,022 | 2,743,021 | 29,079 | 3,942 | 15,045 | 18,987 | 4,233 | 3,537 | 7,770 |
| 29 +bLB | 1,626,574 | 52,001 | 47,763 | 2,570,158 | 22,136 | N/A | N/A | 21,179 | N/A | N/A | 4,859 |
| 30 +GLM | 1,533,577 | 72,228 | 68,133 | 1,390,596 | 20,042 | 3,669 | 2,569 | 6,238 | 1,862 | 2,356 | 4,218 |
| 31 +L | 2,415,673 | 99,384 | 99,174 | 3,122,764 | 51,925 | 9,588 | 17,445 | 27,033 | 3,041 | 1,681 | 4,722 |
| 32 + | 1,852,788 | 75,790 | 72,760 | 1,984,843 | 28,380 | 2,569 | 12,730 | 15,299 | 883 | 1,340 | 2,223 |
| 33 +bG | 1,564,686 | 78,128 | 78,128 | 927,545 | 9,816 | 682 | 2,600 | 3,282 | 1,511 | 2,922 | 4,433 |
| 34 +LM | 10,929,899 | 192,573 | 131,470 | 3,728,002 | 103,000 | 4,669 | 23,137 | 27,806 | 3,380 | 2,608 | 5,988 |
| 35 +G | 2,013,146 | 64,309 | 62,351 | 2,313,410 | 33,889 | 2,308 | 6,712 | 9,020 | 981 | 1,063 | 2,044 |
| 36 +L | 1,434,745 | 50,483 | 26,005 | 2,698,506 | 27,002 | 4,798 | 5,536 | 10,334 | 3,314 | 3,418 | 6,732 |
| 37 LM | 1,474,318 | 95,375 | 90,160 | 2,252,333 | 24,147 | 1,645 | 889 | 2,534 | 645 | 232 | 877 |
| 38 GL | 6,808,048 | 200,409 | 192,498 | 1,991,702 | 93,913 | 79,236 | 40,184 | 119,420 | 122,849 | 9,534 | 132,383 |
| 39 +L | 4,365,624 | 134,406 | 122,388 | 1,614,717 | 30,996 | 12,687 | 20,267 | 32,954 | 5,153 | 3,455 | 8,608 |
| 40 +LM | 2,661,728 | 88,085 | 83,669 | 2,534,227 | 32,815 | 6,527 | 28,105 | 34,632 | 3,157 | 3,016 | 6,173 |
| 41 | 1,609,802 | 60,563 | 55,972 | 1,718,956 | 20,652 | 8,207 | 11,233 | 19,440 | 2,993 | 2,300 | 5,293 |
| 42 +M | 2,506,132 | 64,915 | 55,259 | 1,441,756 | 19,524 | 4,842 | 9,462 | 14,304 | 6,829 | 6,493 | 13,322 |
| 43 +GLM | 2,485,748 | 88,451 | 87,046 | 1,568,027 | 29,353 | 19,143 | 16,450 | 35,593 | 9,404 | 7,637 | 17,041 |
| 44 + | 1,570,832 | 47,963 | 47,058 | 1,053,974 | 9,465 | 7,318 | 4,042 | 11,360 | 4,187 | 4,009 | 8,196 |
| 45 +LM | 1,962,733 | 42,796 | 34,675 | 2,865,988 | 22,242 | 5,430 | 12,026 | 17,456 | 3,662 | 4,983 | 8,645 |
| 46 + | 1,490,743 | 58,939 | 55,703 | 619,569 | 13,764 | 4,015 | 6,394 | 10,409 | 3,729 | 5,176 | 8,905 |
| 47 +LM | 2,147,840 | 67,894 | 63,391 | 2,271,965 | 23,840 | 3,443 | 4,847 | 8,290 | 1,496 | 2,682 | 4,178 |
| 48 +bLM | 2,292,456 | 64,069 | 55,248 | 707,888 | 14,660 | 9,978 | 21,530 | 31,508 | 5,001 | 3,400 | 8,401 |
| 49 +M | 1,394,824 | 57,414 | 42,492 | 990,563 | 14,450 | 5,231 | 4,993 | 10,224 | 3,287 | 4,164 | 7,451 |
| 50 +GLM | 1,367,086 | 50,604 | 42,958 | 784,176 | 11,826 | 7,981 | 3,101 | 11,082 | 1,993 | 4,700 | 6,693 |

B - INCLUDES BRANCH CAMPUSES
G - GOVERNMENT DOCUMENTS NOT INCLUDED IN SERIALS COUNT
L - INCLUDES LAW LIBRARY
M - INCLUDES MEDICAL LIBRARY
N/A - NOT AVAILABLE
+ - SEE FOOTNOTES
b - BIBLIOGRAPHIC COUNT

# ARL Library Data Table

| | EXPENDITURES | | | | | | | PERSONNEL (FTE) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LIBRARY CODE NO. | LIBRARY MATERIALS | CURRENT SERIALS | BINDING | TOTAL MATERIALS & BINDING | TOTAL SALARIES & WAGES | OTHER OPERATING EXPENDITURES | TOTAL LIBRARY OPERATING EXPENDITURES | PROF. STAFF | NON PROF. STAFF | STUDENT ASSTS. | TOTAL STAFF |
| | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| 26 | 3,102,947 | 1,724,267 | 189,959 | 3,292,906 | 4,945,550 | 749,098 | 8,987,554 | 97 | 171 | 34 | 302 |
| 27 | 2,625,957 | 1,329,748 | 116,956 | 2,742,913 | 3,223,140 | 913,819 | 6,879,872 | 56 | 119 | 48 | 223 |
| 28 | 2,930,847 | 1,518,331 | 112,247 | 3,043,094 | 4,633,069 | 1,279,131 | 8,955,294 | 98 | 159 | 173 | 430 |
| 29 | 2,145,212 | 1,209,530 | 151,373 | 2,296,585 | 2,712,490 | 304,845 | 5,313,920 | 56 | 95 | 75 | 226 |
| 30 | 2,556,310 | 1,129,669 | 153,083 | 2,709,393 | 4,070,257 | 1,985,854 | 8,765,504 | 68 | 100 | 89 | 257 |
| 31 | 3,473,006 | 1,929,924 | 239,183 | 3,712,189 | 3,905,394 | 678,230 | 8,295,813 | 76 | 163 | 62 | 301 |
| 32 | 1,309,460 | 972,135 | 85,615 | 1,395,075 | 1,648,643 | 822,531 | 3,866,249 | 49 | 50 | 15 | 114 |
| 33 | 1,353,278 | 709,112 | 61,759 | 1,415,037 | 2,563,045 | 142,070 | 4,120,152 | 34 | 115 | 15 | 164 |
| 34 | 6,871,754 | 2,977,335 | 621,488 | 7,493,242 | 16,109,429 | 1,385,740 | 24,988,411 | 310 | 516 | 175 | 1,001 |
| 35 | 2,045,989 | 1,094,062 | 176,421 | 2,222,410 | 3,889,143 | 443,011 | 6,554,564 | 62 | 98 | 60 | 220 |
| 36 | 2,512,676 | 1,489,557 | 108,444 | 2,621,120 | 3,459,541 | 851,651 | 6,932,312 | 57 | 126 | 69 | 252 |
| 37 | 2,809,576 | 1,826,091 | 116,830 | 2,926,406 | 4,436,337 | 4,490,659 | 11,853,402 | 105 | 170 | 121 | 396 |
| 38 | 4,724,114 | 2,224,088 | 227,903 | 4,952,017 | 7,845,131 | 1,615,553 | 14,412,701 | 122 | 298 | 131 | 551 |
| 39 | 3,515,523 | 1,470,769 | 210,401 | 3,725,924 | 6,140,882 | 966,528 | 10,833,334 | 109 | 209 | 176 | 494 |
| 40 | 3,406,656 | 1,917,810 | 235,392 | 3,642,048 | 3,838,812 | 404,445 | 7,885,305 | 79 | 100 | 72 | 251 |
| 41 | 2,603,083 | 1,417,728 | 153,724 | 2,756,807 | 3,069,867 | 362,153 | 6,188,827 | 48 | 108 | 49 | 205 |
| 42 | 2,553,488 | 1,378,969 | 76,548 | 2,630,036 | 4,369,024 | 1,643,320 | 8,642,380 | 82 | 179 | 42 | 303 |
| 43 | 3,132,388 | 1,509,435 | 171,921 | 3,304,309 | 4,155,983 | 1,269,561 | 8,729,853 | 81 | 128 | 81 | 290 |
| 44 | 1,183,869 | 434,164 | 65,680 | 1,249,549 | 2,792,052 | 1,197,575 | 5,239,176 | 39 | 93 | 45 | 177 |
| 45 | 2,436,446 | 1,422,936 | 106,501 | 2,542,947 | 3,303,522 | 956,514 | 6,802,983 | 64 | 123 | 64 | 251 |
| 46 | 1,723,580 | 884,743 | 65,181 | 1,788,761 | 5,148,173 | 578,763 | 7,515,697 | 75 | 188 | 3 | 266 |
| 47 | 3,128,755 | 1,575,166 | 185,158 | 3,313,913 | 3,540,851 | 1,097,320 | 7,952,084 | 66 | 117 | 88 | 271 |
| 48 | 2,449,701 | 1,184,267 | 132,495 | 2,582,196 | 5,722,221 | 534,295 | 8,838,712 | 73 | 209 | 34 | 316 |
| 49 | 2,556,493 | 1,118,889 | 69,635 | 2,626,128 | 2,928,999 | 388,036 | 5,943,163 | 39 | 140 | 18 | 197 |
| 50 | 1,758,701 | 1,018,437 | 87,365 | 1,846,066 | 3,942,941 | 590,612 | 6,379,619 | 61 | 156 | 22 | 239 |

# ARL Library Data Table

| LIBRARY CODE NO. | COLLECTIONS | | | | | INTERLIBRARY LOANS | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | LOANED | | | BORROWED | | |
| | VOLUMES IN LIBRARY | VOLUMES ADDED (Gross) | VOLUMES ADDED (NET) | TOTAL MICROFORM UNITS IN LIBRARY | CURRENT SERIALS | ORIGINALS | PHOTOCOPIES | TOTAL | ORIGINALS | PHOTOCOPIES | TOTAL |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 51 +G | 1,697,490 | 78,889 | 74,864 | 2,320,989 | 19,829 | 5,360 | 4,190 | 9,550 | 1,913 | 651 | 2,564 |
| 52 + | 2,068,005 | 67,650 | 65,545 | 1,309,937 | 13,555 | 4,182 | 6,759 | 10,941 | 3,491 | 4,639 | 8,130 |
| 53 + | 1,993,922 | 61,648 | 46,850 | 1,500,080 | 20,637 | 3,139 | 14,177 | 17,316 | 1,533 | 2,465 | 3,998 |
| 54 +LM | 1,508,447 | 46,514 | 33,685 | 1,993,180 | 20,477 | 4,476 | 9,101 | 13,577 | 3,432 | 5,444 | 8,876 |
| 55 +LM | 5,805,748 | 133,971 | 123,079 | 2,676,077 | 63,947 | 4,103 | 16,393 | 20,496 | 5,609 | 5,994 | 11,603 |
| 56 + | 3,062,867 | 89,768 | 69,963 | 2,035,637 | 22,808 | 1,847 | 4,427 | 6,274 | 1,703 | 2,601 | 4,304 |
| 57 +LM | 4,229,107 | 105,801 | 94,876 | 2,003,729 | 44,714 | 25,912 | 124,354 | 150,266 | 7,225 | 8,327 | 15,552 |
| 58 +GLM | 2,254,750 | 55,371 | 48,646 | 3,187,381 | 20,445 | 8,866 | 14,727 | 23,593 | 4,028 | 3,259 | 7,287 |
| 59 +L | 1,773,097 | 61,711 | 59,490 | 1,884,591 | 23,485 | 2,654 | 5,500 | 8,154 | 2,561 | 3,187 | 5,748 |
| 60 +LM | 1,514,077 | 58,241 | 48,072 | 2,980,951 | 17,671 | 5,539 | 6,664 | 12,203 | 2,727 | 3,798 | 6,525 |
| 61 +LM | 2,879,338 | 76,763 | 63,981 | 1,823,585 | 31,009 | 3,251 | 6,997 | 10,248 | 1,812 | 4,678 | 6,490 |
| 62 +BLM | 3,184,517 | 128,456 | 121,780 | 2,312,147 | 40,225 | 8,428 | 11,812 | 20,240 | 2,135 | 1,974 | 4,109 |
| 63 + | 1,182,891 | 50,390 | 44,771 | 2,398,545 | 18,535 | 4,842 | 22,000 | 26,842 | 1,867 | 1,552 | 3,419 |
| 64 +LM | 3,124,611 | 101,153 | 79,886 | 1,519,982 | 25,474 | N/A | N/A | 13,213 | 4,330 | 3,794 | 8,124 |
| 65 +G | 1,616,220 | 41,580 | 39,614 | 852,870 | 15,711 | 3,310 | 3,364 | 6,674 | 2,001 | 2,541 | 4,542 |
| 66 +LM | 3,983,395 | 105,289 | 91,146 | 2,520,652 | 30,909 | 9,262 | 21,206 | 30,468 | 4,718 | 4,175 | 8,893 |
| 67 +GLM | 2,108,359 | 50,783 | 46,669 | 2,401,278 | 14,528 | 4,891 | 10,516 | 15,407 | 4,730 | 7,930 | 12,660 |
| 68 + | 1,398,221 | 35,046 | 28,057 | 1,649,923 | 14,617 | 3,966 | 5,619 | 9,585 | 2,060 | 2,267 | 4,327 |
| 69 +L | 1,675,727 | 46,190 | 35,982 | 1,288,562 | 17,561 | 4,772 | 4,352 | 9,124 | 3,358 | 1,708 | 5,066 |
| 70 LM | 3,282,105 | 103,823 | 89,090 | 1,771,609 | 29,825 | 4,283 | 5,475 | 9,758 | 5,833 | 5,949 | 11,782 |
| 71 +BG | 2,556,027 | 91,775 | 83,062 | 1,773,368 | 26,820 | 6,274 | 6,019 | 12,293 | 4,753 | 3,941 | 8,694 |
| 72 +LM | 2,583,597 | 85,439 | 75,219 | 1,861,428 | 22,145 | 7,403 | 18,874 | 26,277 | 3,671 | 3,097 | 6,768 |
| 73 | 3,751,967 | 121,724 | 115,633 | 1,845,806 | 38,052 | 4,068 | 2,917 | 6,985 | 3,424 | 2,070 | 5,494 |
| 74 G | 1,655,449 | 69,529 | 61,781 | 1,471,198 | 17,451 | 1,465 | 8,114 | 9,579 | 2,871 | 3,104 | 5,975 |
| 75 +LM | 1,597,351 | 54,284 | 53,708 | 1,240,185 | 15,229 | N/A | N/A | 5,079 | N/A | N/A | 6,117 |

B - INCLUDES BRANCH CAMPUSES
G - GOVERNMENT DOCUMENTS NOT INCLUDED IN SERIALS COUNT
L - INCLUDES LAW LIBRARY
M - INCLUDES MEDICAL LIBRARY
N/A - NOT AVAILABLE
+ - SEE FOOTNOTES
b - BIBLIOGRAPHIC COUNT

# ARL Library Data Table

| | EXPENDITURES | | | | | | | PERSONNEL (FTE) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LIBRARY CODE NO. | LIBRARY MATERIALS | CURRENT SERIALS | BINDING | TOTAL MATERIALS & BINDING | TOTAL SALARIES & WAGES | OTHER OPERATING EXPENDITURES | TOTAL LIBRARY OPERATING EXPENDITURES | PROF. STAFF | NON-PROF. STAFF | STUDENT ASSTS. | TOTAL STAFF |
| | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| 51 | 2,944,272 | 1,520,743 | 153,794 | 3,098,066 | 4,480,279 | 1,346,369 | 8,924,714 | 82 | 150 | 85 | 317 |
| 52 | 1,810,616 | 975,253 | 67,420 | 1,878,036 | 3,730,377 | 633,604 | 6,242,017 | 55 | 115 | 48 | 218 |
| 53 | 1,810,512 | 1,165,914 | 125,049 | 1,935,561 | 4,717,818 | 1,475,113 | 8,128,492 | 86 | 150 | 39 | 275 |
| 54 | 2,155,494 | 1,200,178 | 98,620 | 2,254,114 | 3,219,713 | 753,871 | 6,227,698 | 60 | 119 | 67 | 246 |
| 55 | 4,734,897 | 2,357,692 | 275,245 | 5,010,142 | 8,266,986 | 1,766,113 | 15,043,241 | 142 | 270 | 131 | 543 |
| 56 | 2,681,414 | 1,317,904 | 186,442 | 2,867,856 | 4,782,299 | 1,281,712 | 8,931,867 | 74 | 133 | 110 | 317 |
| 57 | 3,570,053 | 2,094,781 | 381,582 | 3,951,635 | 7,947,433 | 1,931,889 | 13,830,957 | 109 | 172 | 131 | 412 |
| 58 | 2,146,421 | 1,485,354 | 141,871 | 2,288,292 | 3,004,588 | 735,732 | 6,028,612 | 50 | 113 | 48 | 211 |
| 59 | 2,579,096 | 1,410,014 | 116,230 | 2,695,326 | 2,765,573 | 498,679 | 5,959,578 | 54 | 107 | 42 | 203 |
| 60 | 2,208,927 | 1,284,419 | 129,380 | 2,338,307 | 4,053,926 | 838,709 | 7,230,942 | 70 | 140 | 71 | 281 |
| 61 | 3,413,364 | 1,861,619 | 206,395 | 3,619,759 | 6,490,290 | 1,100,985 | 11,211,034 | 108 | 188 | 70 | 366 |
| 62 | 4,222,600 | 1,481,752 | 256,062 | 4,478,662 | 5,961,916 | 1,464,273 | 11,904,851 | 114 | 196 | 73 | 383 |
| 63 | 2,416,359 | 1,453,408 | 122,320 | 2,538,679 | 2,988,139 | 402,557 | 5,929,375 | 44 | 110 | 54 | 208 |
| 64 | 2,946,886 | 1,664,654 | 202,601 | 3,149,487 | 5,511,422 | 1,071,374 | 9,732,283 | 104 | 149 | 95 | 348 |
| 65 | 1,940,222 | 988,102 | 98,792 | 2,039,014 | 2,250,814 | 326,456 | 4,616,284 | 40 | 102 | 17 | 159 |
| 66 | 4,386,886 | 2,224,360 | 211,874 | 4,598,760 | 6,964,343 | 2,231,931 | 13,795,034 | 109 | 203 | 155 | 467 |
| 67 | 1,894,874 | 1,368,223 | 80,731 | 1,975,605 | 2,470,631 | 751,013 | 5,197,249 | 45 | 82 | 43 | 170 |
| 68 | 1,652,902 | 1,140,874 | 68,657 | 1,721,559 | 1,676,271 | 433,085 | 3,830,915 | 41 | 55 | 54 | 150 |
| 69 | 2,312,004 | 1,223,281 | 100,213 | 2,412,217 | 2,713,883 | 112,168 | 5,238,268 | 51 | 87 | 57 | 195 |
| 70 | 2,510,010 | 1,410,059 | 280,314 | 2,790,324 | 5,767,447 | 1,819,646 | 10,377,417 | 101 | 156 | 62 | 319 |
| 71 | 3,475,783 | 2,020,659 | 225,486 | 3,701,269 | 6,667,337 | 1,789,688 | 12,158,294 | 103 | 254 | 67 | 424 |
| 72 | 2,409,894 | 1,395,103 | 169,083 | 2,578,977 | 4,731,569 | 971,374 | 8,281,920 | 86 | 166 | 76 | 328 |
| 73 | 3,557,309 | 1,664,817 | 251,791 | 3,809,100 | 7,724,797 | 1,069,123 | 12,603,020 | 95 | 229 | 61 | 385 |
| 74 | 2,108,762 | 1,417,392 | 89,933 | 2,198,695 | 3,328,945 | 656,172 | 6,183,812 | 43 | 165 | 51 | 259 |
| 75 | 1,949,775 | 1,032,677 | 87,568 | 2,037,343 | 3,070,704 | 325,562 | 5,433,609 | 39 | 147 | 30 | 216 |

# ARL Library Data Table

| LIBRARY CODE NO. | COLLECTIONS | | | | | INTERLIBRARY LOANS | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | LOANED | | | BORROWED | | |
| | VOLUMES IN LIBRARY | VOLUMES ADDED (Gross) | VOLUMES ADDED (NET) | TOTAL MICROFORM UNITS IN LIBRARY | CURRENT SERIALS | ORIGINALS | PHOTOCOPIES | TOTAL | ORIGINALS | PHOTOCOPIES | TOTAL |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 76 +b | 1,234,034 | 45,902 | 45,019 | 1,622,898 | 10,723 | 3,631 | 12,463 | 16,094 | 1,035 | 1,091 | 2,126 |
| 77 +GM | 2,473,305 | 45,556 | 41,917 | 2,524,942 | 12,562 | 6,011 | 11,299 | 17,310 | 3,442 | 3,470 | 6,912 |
| 78 +BM | 2,218,913 | 80,856 | 73,776 | 2,098,916 | 22,893 | 4,859 | 13,874 | 18,733 | 3,563 | 4,470 | 8,033 |
| 79 +GLM | 1,207,163 | 41,028 | 39,127 | 1,431,945 | 9,702 | 2,525 | 2,630 | 5,155 | N/A | N/A | 10,564 |
| 80 LM | 2,117,042 | 67,387 | 57,333 | 2,160,360 | 17,434 | 4,421 | 5,718 | 10,139 | 3,400 | 2,467 | 5,867 |
| 81 +LM | 2,441,102 | 82,878 | 80,388 | 1,652,813 | 37,926 | 1,918 | 7,744 | 9,662 | 1,159 | 1,166 | 2,325 |
| 82 +GL | 1,844,548 | 47,566 | 44,472 | 2,665,519 | 21,000 | 30,065 | 16,726 | 46,791 | 2,509 | 2,183 | 4,692 |
| 83 +BLM | 5,318,153 | 159,118 | 141,065 | 2,920,353 | 48,573 | 6,835 | 11,446 | 18,281 | 3,815 | 2,919 | 6,734 |
| 84 + | 1,130,619 | 39,303 | 36,614 | 2,135,826 | 16,243 | 6,387 | 11,149 | 17,536 | 4,082 | 5,182 | 9,264 |
| 85 +LM | 2,310,828 | 81,186 | 60,602 | 2,883,232 | 23,302 | 4,590 | 15,429 | 20,019 | 2,920 | 3,102 | 6,022 |
| 86 +bM | 1,473,744 | 49,943 | 48,821 | 2,298,341 | 17,170 | 4,416 | 12,903 | 17,319 | 2,421 | 2,699 | 5,120 |
| 87 +bL | 2,186,470 | 72,740 | 64,017 | 2,592,231 | 22,469 | 3,085 | 2,841 | 5,926 | 2,125 | 2,259 | 4,384 |
| 88 +LM | 1,839,707 | 54,269 | 52,577 | 1,173,181 | 15,027 | 4,170 | 4,969 | 9,139 | 2,386 | 2,268 | 4,654 |
| 89 | 1,524,127 | 44,643 | 40,809 | 1,630,559 | 17,983 | 9,819 | 9,155 | 18,974 | 1,930 | 1,892 | 3,822 |
| 90 +L | 5,402,357 | 201,030 | 173,061 | 3,403,469 | 77,478 | 7,048 | 4,828 | 11,876 | 5,759 | 2,418 | 8,177 |
| 91 +M | 1,600,043 | 60,933 | 59,133 | 2,197,726 | 18,053 | 7,837 | 28,506 | 36,343 | 3,769 | 7,392 | 11,161 |
| 92 +GLM | 5,178,677 | 202,407 | 173,836 | 1,941,649 | 39,981 | 10,711 | 8,590 | 19,301 | 3,105 | 3,844 | 6,949 |
| 93 +LM | 1,576,287 | 56,736 | 47,412 | 1,490,720 | 14,652 | N/A | N/A | 8,511 | N/A | N/A | 6,479 |
| 94 G | 2,157,104 | 88,170 | 80,738 | 2,076,598 | 14,348 | 5,026 | 3,639 | 8,665 | 5,398 | 3,598 | 8,996 |
| 95 +LM | 1,608,105 | 64,673 | 40,888 | 1,322,472 | 16,672 | 6,378 | 4,614 | 10,992 | 4,276 | 2,151 | 6,427 |
| 96 GLM | 2,713,404 | 106,668 | 90,435 | 3,132,566 | 22,227 | 8,794 | 9,869 | 18,663 | 3,373 | 2,266 | 5,639 |
| 97 + | 1,493,361 | 66,413 | 50,698 | 3,843,784 | 19,000 | 5,991 | 11,817 | 17,808 | 1,644 | 1,505 | 3,149 |
| 98 +LM | 4,416,024 | 143,277 | 118,864 | 4,331,060 | 39,868 | 18,346 | 88,173 | 106,519 | 3,547 | 1,436 | 4,983 |
| 99 + | 1,418,725 | 36,555 | 34,652 | 2,127,940 | 33,947 | 4,753 | 6,191 | 10,944 | 1,380 | 1,889 | 3,269 |
| 100 LM | 2,029,838 | 47,519 | 40,022 | 1,464,768 | 16,152 | 4,532 | 15,189 | 19,721 | 3,633 | 4,434 | 8,067 |

B - INCLUDES BRANCH CAMPUSES
G - GOVERNMENT DOCUMENTS NOT INCLUDED IN SERIALS COUNT
L - INCLUDES LAW LIBRARY
M - INCLUDES MEDICAL LIBRARY
N/A - NOT AVAILABLE
+ - SEE FOOTNOTES
b - BIBLIOGRAPHIC COUNT

# ARL Library Data Table

| | EXPENDITURES | | | | | | | PERSONNEL (FTE) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LIBRARY CODE NO. | LIBRARY MATERIALS | CURRENT SERIALS | BINDING | TOTAL MATERIALS & BINDING | TOTAL SALARIES & WAGES | OTHER OPERATING EXPENDITURES | TOTAL LIBRARY OPERATING EXPENDITURES | PROF. STAFF | NON-PROF. STAFF | STUDENT ASSTS. | TOTAL STAFF |
| | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| 76 | 1,647,554 | 1,008,551 | 48,137 | 1,695,691 | 1,909,933 | 642,231 | 4,247,855 | 38 | 72 | 21 | 131 |
| 77 | 2,126,472 | 1,266,337 | 103,557 | 2,230,029 | 3,282,857 | 964,553 | 6,477,439 | 57 | 107 | 64 | 228 |
| 78 | 3,356,846 | 2,124,334 | 355,693 | 3,712,539 | 7,709,873 | 1,548,615 | 12,971,027 | 96 | 232 | 101 | 429 |
| 79 | 1,715,476 | 963,933 | 66,569 | 1,782,045 | 2,960,196 | 346,117 | 5,088,358 | 36 | 118 | 19 | 173 |
| 80 | 2,052,027 | 1,229,488 | 106,183 | 2,158,210 | 2,870,037 | 385,889 | 5,414,136 | 60 | 105 | 34 | 199 |
| 81 | 2,993,179 | 1,663,815 | 139,983 | 3,133,162 | 4,809,760 | 1,806,685 | 9,749,607 | 98 | 149 | 91 | 338 |
| 82 | 2,015,648 | 1,356,337 | 125,020 | 2,140,668 | 3,502,039 | 754,407 | 6,397,114 | 57 | 93 | 95 | 245 |
| 83 | 5,754,736 | 2,352,273 | 351,144 | 6,105,880 | 13,196,374 | 2,719,522 | 22,021,776 | 155 | 340 | 92 | 587 |
| 84 | 1,876,474 | 1,246,967 | 71,000 | 1,947,474 | 2,555,819 | 463,008 | 4,966,301 | 48 | 85 | 25 | 158 |
| 85 | 2,588,461 | 1,661,250 | 133,855 | 2,722,316 | 4,461,923 | 929,481 | 8,113,720 | 90 | 117 | 71 | 278 |
| 86 | 2,142,329 | 1,241,267 | 89,150 | 2,231,479 | 3,560,520 | 632,176 | 6,424,175 | 49 | 116 | 48 | 213 |
| 87 | 2,446,463 | 1,619,024 | 102,871 | 2,549,334 | 3,421,719 | 1,186,450 | 7,157,503 | 65 | 141 | 37 | 243 |
| 88 | 1,797,813 | 1,193,771 | 117,305 | 1,915,118 | 3,501,878 | 1,209,350 | 6,626,346 | 69 | 119 | 62 | 250 |
| 89 | 1,947,757 | 1,238,400 | 113,841 | 2,061,598 | 2,980,753 | 391,985 | 5,434,336 | 54 | 134 | 41 | 229 |
| 90 | 6,539,296 | 2,253,255 | 182,387 | 6,721,683 | 9,161,771 | 1,458,283 | 17,341,737 | 146 | 373 | 74 | 593 |
| 91 | 3,046,940 | 1,604,903 | 112,943 | 3,159,883 | 3,742,768 | 1,082,862 | 7,985,513 | 67 | 146 | 80 | 293 |
| 92 | 4,292,215 | 2,224,475 | 183,188 | 4,475,403 | 11,977,770 | 1,431,485 | 17,884,658 | 153 | 478 | 96 | 727 |
| 93 | 2,315,684 | 1,138,493 | 101,557 | 2,417,241 | 2,653,864 | 926,923 | 5,998,028 | 49 | 98 | 31 | 178 |
| 94 | 1,767,976 | 744,805 | 108,362 | 1,876,338 | 2,814,118 | 652,737 | 5,343,193 | 48 | 103 | 64 | 215 |
| 95 | 2,184,547 | 1,192,984 | 108,826 | 2,293,373 | 3,150,862 | 802,050 | 6,246,285 | 65 | 116 | 63 | 244 |
| 96 | 4,345,772 | 1,704,589 | 209,630 | 4,555,402 | 5,317,721 | 1,332,297 | 11,205,420 | 89 | 194 | 56 | 339 |
| 97 | 2,504,900 | 1,613,900 | 132,300 | 2,637,200 | 2,654,800 | 1,210,600 | 6,502,600 | 55 | 105 | 32 | 192 |
| 98 | 4,311,786 | 2,603,022 | 373,184 | 4,684,970 | 7,682,662 | 1,696,541 | 14,064,173 | 124 | 232 | 127 | 483 |
| 99 | 1,994,194 | 1,434,573 | 101,581 | 2,095,775 | 3,085,455 | 691,981 | 5,873,211 | 40 | 102 | 51 | 193 |
| 100 | 2,225,199 | 1,471,174 | 132,621 | 2,357,820 | 3,087,241 | 2,035,774 | 7,480,835 | 67 | 121 | 41 | 229 |

# ARL Library Data Table

| LIBRARY CODE NO. | COLLECTIONS | | | | | INTERLIBRARY LOANS | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | LOANED | | | BORROWED | | |
| | VOLUMES IN LIBRARY | VOLUMES ADDED (Gross) | VOLUMES ADDED (NET) | TOTAL MICROFORM UNITS IN LIBRARY | CURRENT SERIALS | ORIGINALS | PHOTOCOPIES | TOTAL | ORIGINALS | PHOTOCOPIES | TOTAL |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 101 + | 1,400,404 | 76,979 | 68,653 | 548,568 | 16,346 | 3,303 | 3,756 | 7,059 | 2,708 | 2,368 | 5,076 |
| 102 +bLM | 2,084,110 | 56,384 | 51,692 | 1,554,939 | 20,995 | 5,640 | 23,210 | 28,850 | 1,499 | 1,492 | 2,991 |
| 103 +LM | 1,651,771 | 79,205 | 67,221 | 1,523,916 | 18,949 | 6,573 | 7,821 | 14,394 | 2,274 | 2,752 | 5,026 |
| 104 +LM | 4,494,680 | 119,204 | 104,243 | 2,624,474 | 48,666 | 30,726 | 60,639 | 91,365 | 11,336 | 16,974 | 28,310 |
| 105 +bLM | 8,192,144 | 153,258 | 147,379 | 2,144,124 | 55,801 | N/A | N/A | 10,611 | N/A | N/A | 5,240 |
| 106 +BL | 1,534,400 | 45,453 | 43,664 | 1,510,472 | 19,713 | 3,806 | 3,602 | 7,408 | 2,305 | 1,514 | 3,819 |
| 107 G | 5,380,464 | 192,129 | 191,875 | 2,616,132 | 15,040 | 13,930 | 2,331 | 16,261 | 314 | 237 | 551 |
| 108 +b | 1,910,741 | 61,541 | 61,541 | 2,653,200 | 29,000 | N/A | N/A | 318,422 | N/A | N/A | 481 |
| 109 | 3,494,958 | 30,336 | 30,336 | 1,024,608 | 31,095 | 25,705 | N/A | 25,705 | N/A | N/A | N/A |
| 110 +L | 20,389,914 | 297,740 | 282,848 | 7,041,183 | 150,000 | 22,744 | 6,130 | 28,874 | 409 | N/A | 409 |
| 111 + | 567,950 | 16,856 | 16,856 | 919,560 | 16,882 | 18,900 | 51,200 | 70,100 | 29 | 46 | 75 |
| 112 | 1,849,065 | 20,450 | 20,450 | 602,000 | 26,500 | N/A | N/A | 26,621 | N/A | N/A | 14,600 |
| 113 +G | 1,031,028 | 53,375 | 53,350 | 2,216,066 | 20,745 | 36,660 | 27,090 | 65,750 | N/A | N/A | 895 |
| 114 + | 1,745,215 | 39,410 | 38,662 | 208,782 | 23,087 | 6,486 | 99,176 | 105,662 | 46 | 70 | 116 |
| 115 bG | 1,391,694 | 11,484 | 11,108 | 232,983 | 6,200 | 0 | 544 | 544 | 103 | N/A | 103 |
| 116 +G | 6,203,241 | 453,575 | 440,329 | 2,273,011 | 31,765 | 688 | 5,565 | 6,253 | 1,016 | 374 | 1,390 |
| 117 +LM | 1,943,297 | 32,864 | 32,787 | 2,975,862 | 20,003 | 13,817 | 21,054 | 34,871 | 335 | 681 | 1,016 |
| 118 + | 980,000 | N/A | N/A | N/A | 21,176 | 4,514 | 4,316 | 8,830 | N/A | N/A | 17,266 |
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B - INCLUDES BRANCH CAMPUSES
G - GOVERNMENT DOCUMENTS NOT INCLUDED IN SERIALS COUNT
L - INCLUDES LAW LIBRARY
M - INCLUDES MEDICAL LIBRARY
N/A - NOT AVAILABLE
+ - SEE FOOTNOTES
b - BIBLIOGRAPHIC COUNT

# ARL Library Data Table

| | EXPENDITURES | | | | | | | PERSONNEL (FTE) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LIBRARY CODE NO. | LIBRARY MATERIALS | CURRENT SERIALS | BINDING | TOTAL MATERIALS & BINDING | TOTAL SALARIES & WAGES | OTHER OPERATING EXPENDITURES | TOTAL LIBRARY OPERATING EXPENDITURES | PROF. STAFF | NON-PROF. STAFF | STUDENT ASSTS. | TOTAL STAFF |
| | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| 101 | 2,114,595 | N/A | 51,375 | 2,165,970 | 3,222,345 | 360,474 | 5,748,789 | 43 | 148 | 31 | 222 |
| 102 | 2,445,405 | 1,252,768 | 98,990 | 2,544,395 | 3,952,217 | 1,756,508 | 8,253,120 | 68 | 112 | 50 | 230 |
| 103 | 2,953,172 | 1,391,179 | 28,287 | 2,981,459 | 4,292,219 | 240,786 | 7,514,464 | 56 | 208 | 54 | 318 |
| 104 | 4,014,395 | 2,069,812 | 218,050 | 4,232,445 | 8,163,935 | 3,011,128 | 15,407,508 | 132 | 234 | 153 | 519 |
| 105 | 4,916,200 | 2,100,300 | 279,400 | 5,195,600 | 9,760,550 | 2,544,300 | 17,500,450 | 176 | 345 | 74 | 595 |
| 106 | 1,953,204 | 935,491 | 126,819 | 2,080,023 | 3,543,991 | 891,672 | 6,515,686 | 46 | 134 | 48 | 228 |
| 107 | 4,256,161 | N/A | 209,000 | 4,465,161 | 8,537,846 | 2,548,556 | 15,551,563 | 199 | 320 | 32 | 551 |
| 108 | 5,626,680 | N/A | 92,621 | 5,719,300 | 4,836,420 | 4,936,400 | 15,519,121 | 83 | 140 | 0 | 223 |
| 109 | 852,184 | 219,118 | 0 | 852,184 | 1,053,299 | 574,600 | 2,480,083 | 22 | 34 | 17 | 73 |
| 110 | 6,753,617 | 2,124,902 | 1,264,957 | 8,018,574 | 141,850,000 | 99,302,426 | 249,171,000 | 2,699 | 2,400 | N/A | 5,099 |
| 111 | 1,029,372 | 778,120 | 46,896 | 1,076,268 | 977,165 | 186,836 | 2,240,269 | 23 | 17 | 18 | 58 |
| 112 | 1,500,000 | N/A | 50,000 | 1,550,000 | 4,670,431 | 6,362,934 | 12,583,365 | 85 | 86 | 11 | 182 |
| 113 | 2,095,058 | 296,907 | 16,459 | 2,111,517 | 11,732,138 | 6,985,067 | 20,828,722 | 219 | 321 | 0 | 540 |
| 114 | 2,096,540 | 1,471,647 | 202,445 | 2,298,985 | 10,636,034 | 16,478,687 | 29,413,706 | 212 | 138 | 22 | 372 |
| 115 | 292,786 | N/A | 136,463 | 429,249 | 1,927,815 | 1,747,450 | 4,104,514 | 54 | 68 | N/A | 122 |
| 116 | 4,740,417 | 3,160,278 | 282,677 | 5,023,094 | 10,202,445 | 2,780,890 | 18,006,429 | 190 | 246 | 58 | 494 |
| 117 | 1,720,419 | 1,155,052 | 44,999 | 1,765,418 | 3,541,949 | 903,731 | 6,211,098 | 77 | 120 | 0 | 197 |
| 118 | 485,000 | 387,900 | 105,000 | 972,900 | 2,509,758 | 983,418 | 4,466,076 | 46 | 62 | 0 | 108 |
| | | | | | | | | | | | |
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# ARL Library Data Table
# Totals

| COLLECTIONS | | | | | INTERLIBRARY LOANS | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | LOANED | | | BORROWED | | |
| VOLUMES IN LIBRARY | VOLUMES ADDED (Gross) | VOLUMES ADDED (NET) | TOTAL MICROFORM UNITS IN LIBRARY | CURRENT SERIALS | ORIGINALS | PHOTOCOPIES | TOTAL | ORIGINALS | PHOTOCOPIES | TOTAL |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| **UNIVERSITY MEDIAN** | | | | | | | | | | |
| 1,994,680 | 67,519 | 60,046 | 1,966,676 | 20,998 | 4,963 | 8,913 | 14,349 | 3,336 | 3,103 | 6,609 |
| **UNIVERSITY HIGH** | | | | | | | | | | |
| 10,929,899 | 523,485 | 192,657 | 4,331,060 | 103,000 | 79,236 | 124,354 | 150,266 | 122,849 | 16,974 | 132,383 |
| **UNIVERSITY LOW** | | | | | | | | | | |
| 1,130,619 | 28,398 | (133,421) | 548,568 | 9,465 | 682 | 889 | 2,534 | 645 | 232 | 877 |
| **TOTALS—UNIVERSITY LIBRARIES** | | | | | | | | | | |
| 269,368,547 | 9,107,027 | 7,334,654 | 211,553,099 | 2,938,878 | 728,455 | 1,329,560 | 2,176,408 | 462,791 | 353,970 | 865,662 |
| **TOTALS—NON-UNIVERSITY LIBRARIES** | | | | | | | | | | |
| 46,887,567 | 1,209,760 | 1,180,142 | 22,763,387 | 391,493 | 143,444 | 217,406 | 707,893 | 2,252 | 1,408 | 36,902 |
| **GRAND TOTALS—ALL ARL LIBRARIES** | | | | | | | | | | |
| 316,256,114 | 10,316,787 | 8,514,796 | 234,316,486 | 3,330,371 | 871,899 | 1,546,966 | 2,884,301 | 465,043 | 355,378 | 902,564 |

# ARL Library Data Table
# Totals

| EXPENDITURES | | | | | | | PERSONNEL (FTE) | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| LIBRARY MATERIALS | CURRENT SERIALS | BINDING | TOTAL MATERIALS & BINDING | TOTAL SALARIES & WAGES | OTHER OPERATING EXPENDITURES | TOTAL LIBRARY OPERATING EXPENDITURES | PROF. STAFF | NON-PROF. STAFF | STUDENT ASSTS. | TOTAL STAFF |
| 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| **UNIVERSITY MEDIAN** | | | | | | | | | | |
| 2,511,343 | 1,393,141 | 132,558 | 2,633,618 | 3,878,037 | 965,541 | 7,515,081 | 67 | 136 | 59 | 258 |
| **UNIVERSITY HIGH** | | | | | | | | | | |
| 6,871,754 | 2,977,335 | 621,488 | 7,493,242 | 16,109,429 | 4,490,659 | 24,988,411 | 310 | 516 | 255 | 1,001 |
| **UNIVERSITY LOW** | | | | | | | | | | |
| 1,183,869 | 434,164 | 28,287 | 1,249,549 | 1,648,643 | 112,168 | 3,830,915 | 34 | 50 | 3 | 114 |
| **TOTALS—UNIVERSITY LIBRARIES** | | | | | | | | | | |
| 298,706,065 | 153,359,601 | 17,583,117 | 316,289,182 | 507,836,896 | 121,744,745 | 945,890,823 | 8,274 | 16,822 | 7,321 | 32,417 |
| **TOTALS—NON-UNIVERSITY LIBRARIES** | | | | | | | | | | |
| 31,448,234 | 9,593,924 | 2,451,517 | 34,282,650 | 202,475,300 | 143,790,995 | 380,575,946 | 3,909 | 3,952 | 158 | 8,019 |
| **GRAND TOTALS—ALL ARL LIBRARIES** | | | | | | | | | | |
| 330,154,299 | 162,953,525 | 20,034,634 | 350,571,832 | 710,312,196 | 265,535,740 | 1,326,466,769 | 12,183 | 20,774 | 7,479 | 40,436 |

## ANALYSIS OF SELECTED VARIABLES OF UNIVERSITY LIBRARIES

The percentages and ratios below are intended to summarize the basic data in the ARL Library Data Tables. The high, median, and low figures indicate the range as well as the midpoint for ARL's 106 university library members.

| | Category | High | Median | Low |
|---|---|---|---|---|
| 1. | Professional Staff as percent of Total Staff | 43 | 25 | 16 |
| 2. | Nonprofessional Staff as percent of Total Staff | 71 | 52 | 19 |
| 3. | Student Assistant Staff as percent of Total Staff | 54 | 22 | 1 |
| 4. | Ratio of Professional to Non-professional Staff (excluding student assistants) | 1.3:1 | 0.5:1 | 0.3:1 |
| 5. | Ratio of Items Loaned to Items Borrowed | 21.4:1 | 2.1:1 | 0.5:1 |
| 6. | Materials Expenditures as percent of Total Operating Expenditures | 48 | 32 | 22 |
| 7. | Serials Expenditures as percent of Materials Expenditures | 77 | 53 | 34 |
| 8. | Salary and Wage Expenditures as percent of Total Operating Expenditures | 68 | 52 | 37 |
| 9. | Ratio of Salary and Wage Expenditures to Materials Expenditures | 3.0:1 | 1.6:1 | 0.8:1 |

Median figures are useful indicators when there is wide dispersion within a distribution. Because the mean represents a "balance point," a few very high or low scores may sometimes pull the mean away from the actual point at which values cluster. Medians, on the other hand, are a measure of central tendency, focusing on the midpoint in a distribution, and are thus preferable for describing ARL libraries.

## Ph.D. AND ENROLLMENT STATISTICS *

| INSTITUTION | Ph.D.'s Awarded | Ph.D. Fields | ENROLLMENTS - FALL 1985 | | | |
|---|---|---|---|---|---|---|
| | | | Total Full-time** | Total FTE Part-time** | Full-time Graduate | Part-time Graduate FTE |
| Alabama | 81 | 40 | 11,189 | 502 | 1,677 | 471 |
| Alberta | 144 | 58 | 23,565 | 986 | 2,628 | 274 |
| Arizona | 263 | 92 | 22,150 | 3,472 | 3,098 | 1,712 |
| Arizona State | 98 | 34 | 26,108 | 5,635 | 2,246 | 1,231 |
| Boston + | 134 | 42 | 19,187 | 2,891 | 5,604 | 1,437 |
| Brigham Young | 50 | 36 | 22,663 | 3,375 | 1,332 | 430 |
| British Columbia | 134 | 138 | 21,178 | 1,834 | 2,710 | 429 |
| Brown | 118 | 29 | 6,869 | 114 | 1,131 | 38 |
| Calif., Berkeley | 1,071 | 92 | 31,007 | 3,527 | 9,100 | 772 |
| Calif., Davis | 230 | 52 | 19,542 | 0 | 5,129 | 0 |
| Calif., Irvine | 94 | 30 | 12,684 | N/A | 2,473 | N/A |
| Calif., Los Angeles | 424 | 69 | 31,714 | 1,278 | 7,736 | 75 |
| Calif., Riverside | 121 | 26 | 4,382 | 220 | 1,189 | 37 |
| Calif., San Diego | 150 | 40 | 13,515 | 320 | 1,604 | 25 |
| Calif., Santa Barbara | 131 | 54 | 16,254 | 341 | 1,983 | 42 |
| Case Western Reserve | 155 | 40 | 6,296 | 685 | 1,588 | 526 |
| Chicago | 291 | 80 | 7,426 | 983 | 4,514 | 874 |
| Cincinnati | 191 | 54 | 16,448 | 2,200 | 3,567 | 502 |
| Colorado + | 198 | 48 | 19,825 | 967 | 2,659 | 191 |
| Colorado State | 157 | 36 | 16,036 | 440 | 1,657 | 111 |
| Columbia | 399 | 54 | 14,032 | 1,442 | 9,089 | 1,170 |
| Connecticut | 195 | 66 | 16,502 | 6,474 | 2,311 | 3,667 |
| Cornell | 409 | 66 | 17,653 | N/A | 5,266 | N/A |
| Dartmouth | 25 | 10 | 4,530 | 96 | 935 | 60 |
| Delaware | 95 | 40 | 13,755 | 1,754 | 945 | 300 |
| Duke | 153 | 33 | 9,268 | N/A | 1,624 | N/A |
| Emory | 96 | 42 | 7,249 | 302 | 969 | 190 |
| Florida | 301 | 67 | 24,540 | 2,096 | 5,128 | 723 |
| Florida State | 231 | 65 | 16,240 | 1,939 | 2,012 | 509 |
| Georgetown | 56 | 17 | 9,330 | 1,329 | 946 | 659 |
| Georgia | 251 | 52 | 25,230 | 1,967 | 2,411 | 480 |
| Georgia Tech | 65 | 61 | 9,745 | 547 | 1,534 | 233 |
| Guelph | 39 | 80 | 10,869 | 661 | 878 | 56 |
| Harvard | 273 | 54 | 16,373 | 3,250 | 6,697 | 328 |
| Hawaii | 112 | 38 | 14,502 | 2,155 | 1,555 | 576 |
| Houston | 80 | 32 | 16,145 | 10,060 | 1,909 | 2,317 |
| Howard | 74 | 23 | 10,133 | 2,178 | 2,643 | 939 |
| Illinois | 625 | 94 | 34,760 | 3,123 | 6,469 | 2,179 |

* These figures were reported on ARL questionnaires and have not been verified with the National Center for Education Statistics.

** Includes both undergraduate and graduate students.

N/A - Not available

+ - See footnotes

## PH.D. AND ENROLLMENT STATISTICS *

| INSTITUTION | Ph.D.'s Awarded | Ph.D. Fields | ENROLLMENTS - FALL 1985 | | | |
|---|---|---|---|---|---|---|
| | | | Total Full-time** | Total FTE Part-time** | Full-time Graduate | Part-time Graduate FTE |
| Indiana | 315 | 99 | 27,632 | 5,083 | 3,501 | 613 |
| Iowa | 268 | 57 | 23,148 | 2,813 | 3,067 | 1,277 |
| Iowa State | 245 | 63 | 23,198 | 1,566 | 2,103 | 830 |
| Johns Hopkins | 190 | 55 | 5,091 | 1,832 | 2,155 | 1,108 |
| Kansas + | 240 | 62 | 20,431 | 6,313 | 2,284 | 1,395 |
| Kent State | 52 | 18 | 14,868 | 1,726 | 1,467 | 462 |
| Kentucky | 104 | 44 | 15,069 | 4,698 | 1,607 | 1,870 |
| Laval | 108 | 60 | 20,123 | 3,044 | 3,147 | 684 |
| Louisiana State | 102 | 64 | 24,373 | 2,106 | 2,670 | 626 |
| McGill | 154 | 50 | 16,121 | 3,938 | 2,899 | 869 |
| McMaster | 79 | 26 | 11,276 | 1,468 | 1,205 | 581 |
| Manitoba | 69 | 36 | 15,806 | 3,803 | 1,741 | 513 |
| Maryland + | 374 | 72 | 28,396 | 3,811 | 3,102 | 1,322 |
| Massachusetts | 300 | 48 | 21,807 | 1,887 | 2,622 | 749 |
| MIT | 563 | 220 | 9,088 | 175 | 4,563 | 64 |
| Miami | 314 | 40 | 11,010 | 1,399 | 1,134 | 457 |
| Michigan | 607 | 125 | 30,539 | 1,795 | 10,117 | 980 |
| Michigan State | 395 | 113 | 33,958 | 3,435 | 3,324 | 1,760 |
| Minnesota | 495 | 89 | 35,745 | 9,788 | 8,121 | 400 |
| Missouri | 230 | 67 | 19,473 | 1,331 | 1,884 | 823 |
| Nebraska | 179 | 26 | 18,937 | 2,272 | 1,654 | 2,052 |
| New Mexico + | 127 | 35 | 13,842 | 3,716 | 1,585 | 807 |
| New York | 353 | 144 | 18,175 | 5,314 | 7,261 | 3,680 |
| North Carolina | 241 | 59 | 18,221 | 1,651 | 2,683 | 740 |
| North Carolina State | 179 | 42 | 16,758 | 2,995 | 1,125 | 1,128 |
| Northwestern | 303 | 21 | 12,772 | 1,060 | 3,394 | 499 |
| Notre Dame | 80 | 23 | 9,531 | 280 | 1,069 | 64 |
| Ohio State | 531 | 93 | 45,546 | 4,321 | 5,791 | 1,010 |
| Oklahoma | 143 | 75 | 17,408 | 2,819 | 2,311 | 1,252 |
| Oklahoma State | 135 | 39 | 17,664 | 1,392 | 1,443 | 799 |
| Oregon | 166 | 42 | 13,507 | 851 | 2,005 | 128 |
| Pennsylvania | 332 | 66 | 17,326 | 1,589 | 5,694 | 654 |
| Pennsylvania State | 341 | 83 | 47,136 | 4,104 | 3,533 | 626 |
| Pittsburgh | 387 | 71 | 17,848 | 4,541 | 3,439 | 1,930 |
| Princeton | 211 | 48 | 6,190 | 0 | 1,644 | 0 |
| Purdue | 389 | 53 | 27,850 | 1,292 | 3,646 | 446 |
| Queen's | 74 | 28 | 9,716 | 1,088 | 1,282 | 262 |
| Rice | 73 | 27 | 3,806 | 157 | 1,202 | 0 |

* These figures were reported on ARL questionnaires and have not been verified with the National Center for Education Statistics.

** Includes both undergraduate and graduate students.

N/A - Not available

+ - See footnotes

## PH.D. AND ENROLLMENT STATISTICS *

| INSTITUTION | Ph.D.'s Awarded | Ph.D. Fields | ENROLLMENTS - FALL 1985 | | | |
|---|---|---|---|---|---|---|
| | | | Total Full-time** | Total FTE Part-time** | Full-time Graduate | Part-time Graduate FTE |
| Rochester | 157 | 55 | 7,184 | 590 | 1,907 | 348 |
| Rutgers | 238 | 52 | 31,377 | 4,046 | 3,859 | 3,001 |
| Saskatchewan | 38 | N/A | 13,195 | 1,214 | 971 | 243 |
| South Carolina + | 135 | 43 | 15,344 | 2,793 | 1,794 | 955 |
| Southern California + | 424 | 110 | 19,147 | 4,543 | 5,078 | 3,638 |
| Southern Illinois | 168 | 22 | 18,173 | 4,603 | 814 | 2,676 |
| Stanford | 433 | 74 | 11,739 | 736 | 4,227 | 501 |
| SUNY - Albany | 81 | 21 | 11,864 | 1,548 | 1,718 | 1,094 |
| SUNY - Buffalo + | 237 | 79 | 18,749 | 3,045 | 4,726 | 1,516 |
| SUNY - Stony Brook | 161 | 25 | 13,030 | N/A | 2,106 | N/A |
| Syracuse + | 151 | 97 | 15,100 | 1,981 | 2,147 | 1,346 |
| Temple | 138 | 83 | 18,354 | 3,473 | 1,536 | 1,252 |
| Tennessee | 196 | 44 | 19,543 | 2,405 | 2,046 | 705 |
| Texas + | 427 | 65 | 41,688 | 3,093 | 8,097 | 681 |
| Texas A&M | 298 | 72 | 32,338 | 1,904 | 6,039 | 555 |
| Toronto | 299 | 67 | 35,699 | 5,199 | 5,402 | 1,142 |
| Tulane | 49 | 31 | 8,413 | 1,819 | 1,325 | 576 |
| Utah | 177 | 60 | 15,154 | 4,604 | 2,305 | 702 |
| Vanderbilt | 153 | 37 | 8,287 | 251 | 1,902 | 180 |
| Virginia | 177 | 44 | 15,984 | 467 | 3,244 | 239 |
| Virginia Polytechnic | 197 | 50 | 20,201 | 1,253 | 2,341 | 712 |
| Washington | 358 | 62 | 26,944 | 3,240 | 5,132 | 726 |
| Washington State | 153 | 36 | 15,483 | 319 | 1,429 | 159 |
| Wash. Univ., St. Louis | 526 | 46 | 7,061 | 1,000 | 1,263 | 330 |
| Waterloo | 104 | 48 | 13,419 | 2,248 | 3,338 | 320 |
| Wayne State | 131 | 54 | 15,863 | 13,207 | 2,000 | 1,486 |
| Western Ontario | 86 | 31 | 15,712 | 3,164 | 1,843 | 199 |
| Wisconsin | 673 | 119 | 36,836 | 2,809 | 7,293 | 891 |
| Yale + | 276 | 51 | 10,315 | 217 | 5,124 | 137 |
| York + | 50 | 55 | 19,671 | 2,138 | 1,584 | 439 |

* These figures were reported on ARL questionnaires and have not been verified with the National Center for Education Statistics.

** Includes both undergraduate and graduate students.

N/A - Not available

\+ - See footnotes

## SUMMARY OF RANK ORDER TABLES FOR UNIVERSITY LIBRARIES

The table below presents the rank for each university library in each of the fourteen categories for which rank order tables are prepared. As a further indication of the relative position of each institution, note that, in the individual rank order tables on the following pages, "group codes" are used. This is done because, in a number of cases, there is a relatively insignificant difference between two institutions which are nevertheless given two different rankings. The "coarser" ranking provided by clustering institutions into groups (based upon ranges) more realistically describes a library's relative standing.

The table numbers in the chart below refer to the following categories:

Table 1 - Volumes in Library
Table 2 - Volumes Added (Gross)
Table 3 - Total Microform Holdings
Table 4 - Current Serials
Table 5 - Professional Staff (FTE)
Table 6 - Nonprofessional Staff (FTE)
Table 7 - Total Staff (FTE)
Table 8 - Materials Expenditures
Table 9 - Materials & Binding Expenditures
Table 10 - Salaries & Wages Expenditures
Table 11 - Total Expenditures
Table 12 - Total Items Loaned
Table 13 - Total Items Borrowed
Table 14 - Current Serials Expenditures

| INSTITUTION | TABLES | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| Alabama | 73 | 79 | 93 | 87 | 78 | 103 | 95 | 85 | 86 | 101 | 101 | 96 | 93 | 90 |
| Alberta | 32 | 38 | 49 | 52 | 34 | 10 | 21 | 43 | 46 | 18 | 28 | 56 | 14 | 44 |
| Arizona | 24 | 18 | 15 | 24 | 29 | 27 | 26 | 15 | 14 | 31 | 26 | 8 | 45 | 16 |
| Arizona State | 52 | 26 | 46 | 35 | 55 | 30 | 42 | 26 | 27 | 54 | 41 | 33 | 5 | 23 |
| Boston | 82 | 61 | 38 | 36 | 59 | 49 | 45 | 56 | 52 | 65 | 60 | 101 | 19 | 43 |
| Brigham Young | 63 | 55 | 86 | 81 | 41 | 104 | 44 | 65 | 65 | 59 | 46 | 93 | 15 | 101 |
| British Columbia | 35 | 16 | 7 | 21 | 20 | 9 | 16 | 39 | 40 | 17 | 19 | 50 | 13 | 63 |
| Brown | 55 | 87 | 100 | 89 | 48 | 85 | 74 | 72 | 73 | 76 | 66 | 95 | 78 | 94 |
| Calif., Berkeley | 4 | 2 | 10 | 2 | 4 | 8 | 3 | 5 | 5 | 2 | 3 | 14 | 8 | 2 |
| Calif., Davis | 53 | 30 | 43 | 13 | 52 | 28 | 37 | 18 | 18 | 25 | 25 | 16 | 62 | 18 |
| Calif., Irvine | 105 | 68 | 85 | 80 | 87 | 96 | 89 | 41 | 39 | 56 | 56 | 62 | 44 | 60 |
| Calif., Los Angeles | 8 | 3 | 4 | 4 | 2 | 11 | 4 | 3 | 3 | 4 | 2 | 6 | 31 | 4 |
| Calif., Riverside | 103 | 95 | 97 | 99 | 105 | 88 | 99 | 82 | 80 | 82 | 85 | 97 | 39 | 99 |
| Calif., San Diego | 65 | 45 | 94 | 28 | 62 | 41 | 49 | 31 | 28 | 33 | 30 | 58 | 68 | 79 |
| Calif., Santa Barbara | 64 | 71 | 50 | 59 | 70 | 53 | 64 | 45 | 43 | 35 | 42 | 82 | 17 | 69 |
| Case Western Reserve | 93 | 106 | 105 | 101 | 45 | 102 | 91 | 102 | 102 | 90 | 94 | 9 | 21 | 88 |
| Chicago | 12 | 1 | 81 | 14 | 39 | 31 | 30 | 34 | 32 | 24 | 22 | 7 | 88 | 33 |
| Cincinnati | 92 | 98 | 62 | 68 | 49 | 60 | 52 | 58 | 59 | 45 | 47 | 23 | 25 | 57 |
| Colorado | 49 | 91 | 18 | 46 | 89 | 91 | 87 | 76 | 75 | 68 | 78 | 60 | 41 | 59 |
| Colorado State | 94 | 75 | 95 | 78 | 92 | 100 | 103 | 103 | 103 | 92 | 88 | 72 | 33 | 86 |

N/A - Not Available

| INSTITUTION | TABLES | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| Columbia | 6 | 19 | 9 | 7 | 10 | 12 | 8 | 14 | 10 | 7 | 8 | 29 | 52 | 13 |
| Connecticut | 57 | 24 | 47 | 69 | 63 | 81 | 72 | 64 | 64 | 52 | 58 | 28 | 18 | 72 |
| Cornell | 11 | 15 | 5 | 9 | 5 | 6 | 11 | 11 | 12 | 12 | 11 | 25 | 29 | N/A |
| Dartmouth | 76 | 86 | 64 | 64 | 96 | 78 | 92 | 90 | 91 | 100 | 99 | 76 | 48 | 85 |
| Delaware | 68 | 78 | 89 | 63 | 93 | 93 | 98 | 42 | 42 | 102 | 87 | 90 | 100 | 83 |
| Duke | 19 | 37 | 91 | 31 | 26 | 33 | 39 | 30 | 31 | 32 | 33 | 19 | 79 | 24 |
| Emory | 58 | 66 | 83 | 75 | 71 | 62 | 71 | 46 | 48 | 72 | 62 | 26 | 72 | 58 |
| Florida | 33 | 50 | 19 | 33 | 24 | 38 | 17 | 38 | 37 | 39 | 34 | 38 | 40 | 36 |
| Florida State | 71 | 80 | 25 | 51 | 72 | 92 | 70 | 74 | 70 | 94 | 93 | 30 | 77 | 73 |
| Georgetown | 84 | 49 | 82 | 60 | 50 | 86 | 54 | 51 | 50 | 47 | 38 | 100 | 89 | 82 |
| Georgia | 37 | 27 | 12 | 10 | 40 | 37 | 40 | 23 | 23 | 51 | 43 | 21 | 80 | 19 |
| Georgia Tech | 59 | 47 | 54 | 34 | 81 | 106 | 106 | 105 | 105 | 106 | 105 | 52 | 103 | 96 |
| Guelph | 81 | 43 | 99 | 104 | 106 | 70 | 100 | 104 | 104 | 97 | 104 | 105 | 84 | 103 |
| Harvard | 1 | 7 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 20 | 61 | 1 |
| Hawaii | 51 | 59 | 32 | 23 | 61 | 89 | 75 | 81 | 78 | 53 | 65 | 85 | 105 | 87 |
| Houston | 95 | 83 | 20 | 37 | 67 | 58 | 55 | 53 | 56 | 66 | 61 | 71 | 51 | 38 |
| Howard | 90 | 28 | 36 | 40 | 19 | 34 | 22 | 40 | 41 | 42 | 21 | 106 | 106 | 22 |
| Illinois | 3 | 6 | 53 | 3 | 13 | 7 | 9 | 8 | 8 | 13 | 12 | 2 | 1 | 10 |
| Indiana | 15 | 11 | 69 | 27 | 15 | 19 | 13 | 21 | 21 | 22 | 27 | 13 | 28 | 42 |
| Iowa | 27 | 34 | 26 | 25 | 38 | 87 | 56 | 25 | 25 | 55 | 52 | 12 | 58 | 20 |
| Iowa State | 74 | 65 | 63 | 55 | 84 | 75 | 82 | 47 | 47 | 80 | 76 | 36 | 69 | 48 |
| Johns Hopkins | 30 | 57 | 79 | 65 | 35 | 29 | 38 | 52 | 54 | 43 | 40 | 54 | 6 | 54 |
| Kansas | 31 | 32 | 70 | 32 | 37 | 57 | 43 | 28 | 30 | 46 | 39 | 11 | 3 | 37 |
| Kent State | 80 | 88 | 96 | 106 | 100 | 94 | 94 | 106 | 106 | 89 | 95 | 64 | 32 | 104 |
| Kentucky | 56 | 100 | 17 | 48 | 60 | 59 | 57 | 61 | 62 | 70 | 63 | 45 | 27 | 47 |
| Laval | 89 | 67 | 104 | 97 | 42 | 25 | 51 | 98 | 98 | 30 | 53 | 70 | 22 | 100 |
| Louisiana State | 44 | 52 | 35 | 41 | 56 | 66 | 50 | 29 | 29 | 62 | 51 | 88 | 90 | 34 |
| MIT | 54 | 63 | 75 | 56 | 32 | 43 | 48 | 94 | 93 | 38 | 48 | 47 | 92 | 78 |
| Manitoba | 100 | 82 | 102 | 102 | 64 | 39 | 63 | 97 | 97 | 50 | 72 | 65 | 53 | 91 |
| Maryland | 66 | 42 | 31 | 61 | 36 | 42 | 34 | 37 | 36 | 40 | 36 | 81 | 101 | 35 |
| Massachusetts | 48 | 53 | 87 | 98 | 74 | 71 | 76 | 93 | 95 | 58 | 74 | 68 | 35 | 95 |
| McGill | 39 | 60 | 103 | 91 | 44 | 20 | 36 | 57 | 57 | 27 | 37 | 15 | 30 | 77 |
| McMaster | 99 | 70 | 98 | 95 | 101 | 51 | 85 | 50 | 55 | 86 | 82 | 74 | 42 | 84 |

N/A - Not Available

| INSTITUTION | TABLES | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| Miami | 87 | 92 | 52 | 57 | 65 | 63 | 59 | 71 | 74 | 74 | 75 | 55 | 24 | 74 |
| Michigan | 5 | 12 | 21 | 6 | 9 | 13 | 10 | 7 | 7 | 9 | 10 | 31 | 10 | 5 |
| Michigan State | 23 | 31 | 48 | 45 | 43 | 56 | 35 | 44 | 44 | 36 | 35 | 99 | 87 | 61 |
| Minnesota | 16 | 21 | 51 | 15 | 16 | 32 | 20 | 19 | 19 | 11 | 14 | 1 | 4 | 14 |
| Missouri | 40 | 74 | 8 | 58 | 80 | 72 | 80 | 73 | 72 | 81 | 79 | 27 | 43 | 39 |
| Nebraska | 62 | 62 | 56 | 42 | 76 | 76 | 83 | 49 | 51 | 91 | 81 | 89 | 65 | 51 |
| New Mexico | 86 | 69 | 13 | 73 | 46 | 52 | 46 | 69 | 69 | 48 | 57 | 61 | 54 | 62 |
| New York | 25 | 46 | 59 | 26 | 18 | 26 | 25 | 24 | 26 | 21 | 23 | 73 | 55 | 21 |
| North Carolina | 21 | 13 | 33 | 16 | 14 | 23 | 24 | 16 | 15 | 23 | 20 | 32 | 91 | 40 |
| North Carolina State | 104 | 84 | 30 | 70 | 91 | 74 | 81 | 62 | 63 | 83 | 83 | 22 | 96 | 45 |
| Northwestern | 22 | 25 | 73 | 39 | 21 | 44 | 27 | 36 | 34 | 28 | 32 | 57 | 36 | 27 |
| Notre Dame | 72 | 101 | 101 | 86 | 98 | 83 | 101 | 89 | 88 | 103 | 102 | 98 | 83 | 93 |
| Ohio State | 17 | 22 | 28 | 29 | 17 | 22 | 15 | 9 | 11 | 19 | 15 | 17 | 23 | 9 |
| Oklahoma | 46 | 81 | 29 | 94 | 90 | 99 | 97 | 91 | 90 | 99 | 97 | 51 | 7 | 55 |
| Oklahoma State | 98 | 105 | 66 | 93 | 97 | 105 | 104 | 100 | 100 | 105 | 106 | 79 | 86 | 80 |
| Oregon | 67 | 93 | 88 | 74 | 79 | 97 | 86 | 67 | 67 | 93 | 96 | 84 | 74 | 71 |
| Pennsylvania | 20 | 23 | 61 | 30 | 23 | 40 | 32 | 54 | 45 | 26 | 29 | 77 | 9 | 50 |
| Pennsylvania State | 29 | 29 | 60 | 38 | 22 | 14 | 19 | 22 | 24 | 20 | 18 | 59 | 26 | 17 |
| Pittsburgh | 28 | 35 | 57 | 50 | 33 | 35 | 31 | 63 | 58 | 37 | 44 | 24 | 49 | 52 |
| Princeton | 18 | 14 | 58 | 19 | 28 | 18 | 23 | 20 | 20 | 14 | 17 | 94 | 67 | 26 |
| Purdue | 69 | 51 | 77 | 76 | 94 | 36 | 53 | 79 | 79 | 69 | 77 | 80 | 63 | 49 |
| Queen's | 78 | 76 | 90 | 88 | 102 | 47 | 77 | 87 | 89 | 79 | 90 | 104 | 59 | 89 |
| Rice | 101 | 94 | 68 | 103 | 103 | 101 | 105 | 101 | 101 | 104 | 103 | 49 | 104 | 92 |
| Rochester | 34 | 96 | 27 | 100 | 68 | 77 | 68 | 77 | 77 | 71 | 69 | 48 | 47 | 64 |
| Rutgers | 41 | 40 | 44 | 44 | 27 | 16 | 18 | 27 | 22 | 15 | 16 | 40 | 38 | 11 |
| SUNY Albany | 106 | 103 | 41 | 84 | 85 | 98 | 102 | 92 | 92 | 98 | 100 | 44 | 16 | 66 |
| SUNY Buffalo | 38 | 39 | 16 | 43 | 30 | 67 | 47 | 48 | 49 | 41 | 49 | 34 | 60 | 29 |
| SUNY Stony Brook | 91 | 85 | 34 | 79 | 82 | 68 | 79 | 75 | 76 | 60 | 70 | 46 | 71 | 67 |
| Saskatchewan | 102 | 102 | 80 | 105 | 104 | 65 | 96 | 99 | 99 | 85 | 98 | 103 | 12 | 97 |
| South Carolina | 45 | 54 | 39 | 77 | 66 | 79 | 84 | 80 | 82 | 87 | 91 | 75 | 64 | 70 |
| Southern California | 36 | 36 | 65 | 20 | 25 | 45 | 29 | 33 | 35 | 34 | 31 | 78 | 102 | 28 |
| Southern Illinois | 60 | 89 | 22 | 53 | 69 | 95 | 60 | 83 | 83 | 63 | 71 | 5 | 81 | 56 |
| Stanford | 9 | 8 | 14 | 12 | 6 | 5 | 7 | 4 | 4 | 3 | 4 | 42 | 50 | 6 |

N/A - Not Available

| INSTITUTION | TABLES | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| Syracuse | 42 | 48 | 24 | 47 | 57 | 50 | 62 | 59 | 60 | 67 | 59 | 102 | 85 | 30 |
| Temple | 61 | 77 | 92 | 90 | 47 | 64 | 58 | 95 | 94 | 64 | 64 | 83 | 82 | 75 |
| Tennessee | 85 | 99 | 67 | 72 | 77 | 54 | 66 | 88 | 87 | 84 | 89 | 39 | 94 | 68 |
| Texas | 7 | 5 | 6 | 5 | 8 | 3 | 6 | 2 | 2 | 8 | 7 | 63 | 34 | 7 |
| Texas A & M | 77 | 64 | 37 | 71 | 53 | 48 | 41 | 32 | 33 | 57 | 50 | 10 | 11 | 32 |
| Toronto | 10 | 4 | 55 | 17 | 7 | 2 | 2 | 13 | 16 | 5 | 5 | 37 | 46 | 8 |
| Tulane | 79 | 72 | 76 | 92 | 83 | 90 | 93 | 66 | 66 | 96 | 80 | 87 | 56 | 81 |
| Utah | 43 | 33 | 45 | 96 | 86 | 82 | 78 | 96 | 96 | 88 | 92 | 86 | 20 | 102 |
| Vanderbilt | 75 | 58 | 84 | 82 | 58 | 69 | 61 | 70 | 71 | 75 | 73 | 66 | 57 | 76 |
| Virginia | 26 | 20 | 11 | 49 | 31 | 24 | 28 | 10 | 13 | 29 | 24 | 41 | 66 | 25 |
| Virginia Polytechnic | 88 | 56 | 2 | 66 | 75 | 80 | 90 | 55 | 53 | 95 | 68 | 43 | 98 | 31 |
| Washington | 14 | 10 | 1 | 18 | 12 | 17 | 14 | 12 | 9 | 16 | 13 | 3 | 76 | 3 |
| Washington State | 96 | 104 | 42 | 22 | 99 | 84 | 88 | 84 | 84 | 78 | 84 | 67 | 97 | 46 |
| Washington, St. Louis | 50 | 90 | 78 | 85 | 54 | 61 | 67 | 68 | 68 | 77 | 55 | 35 | 37 | 41 |
| Waterloo | 97 | 44 | 106 | 83 | 95 | 46 | 73 | 78 | 81 | 73 | 86 | 92 | 73 | N/A |
| Wayne State | 47 | 73 | 71 | 54 | 51 | 73 | 65 | 60 | 61 | 49 | 45 | 18 | 99 | 65 |
| Western Ontario | 70 | 41 | 72 | 67 | 73 | 21 | 33 | 35 | 38 | 44 | 54 | 53 | 75 | 53 |
| Wisconsin | 13 | 17 | 23 | 11 | 11 | 15 | 12 | 17 | 17 | 10 | 9 | 4 | 2 | 15 |
| Yale | 2 | 9 | 40 | 8 | 3 | 4 | 5 | 6 | 6 | 6 | 6 | 69 | 70 | 12 |
| York | 83 | 97 | 74 | 62 | 88 | 55 | 69 | 86 | 85 | 61 | 67 | 91 | 95 | 98 |

N/A - Not Available

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

Group ranges (in thousands) are:

1- over 9,000
2- 8,000-8,999
3- 7,000-7,999
4- 6,000-6,999
5- 5,000-5,999
6- 4,000-4,999
7- 3,000-3,999
8- 2,000-2,999
9- 1,000-1,999

| Gp | Rank | Institution | Value |
|---|---|---|---|
| 1 | 1 | Harvard | 10,929,899 |
| 2 | 2 | Yale | 8,192,144 |
| 4 | 3 | Illinois | 6,808,048 |
| | 4 | Calif., Berkeley | 6,610,872 |
| 5 | 5 | Michigan | 5,805,748 |
| | 6 | Columbia | 5,459,972 |
| | 7 | Texas | 5,402,357 |
| | 8 | Calif., Los Angeles | 5,365,264 |
| | 9 | Stanford | 5,318,153 |
| | 10 | Toronto | 5,178,677 |
| 6 | 11 | Cornell | 4,874,447 |
| | 12 | Chicago | 4,660,683 |
| | 13 | Wisconsin | 4,494,680 |
| | 14 | Washington | 4,416,024 |
| | 15 | Indiana | 4,365,624 |
| | 16 | Minnesota | 4,229,107 |
| 7 | 17 | Ohio State | 3,983,395 |
| | 18 | Princeton | 3,751,967 |
| | 19 | Duke | 3,458,720 |
| | 20 | Pennsylvania | 3,282,105 |
| | 21 | North Carolina | 3,184,517 |
| | 22 | Northwestern | 3,124,611 |
| | 23 | Michigan State | 3,062,867 |
| | 24 | Arizona | 3,049,172 |
| 8 | 25 | New York | 2,879,338 |
| | 26 | Virginia | 2,713,404 |
| | 27 | Iowa | 2,661,728 |
| | 28 | Pittsburgh | 2,583,597 |
| | 29 | Pennsylvania State | 2,556,027 |
| | 30 | Johns Hopkins | 2,506,132 |
| | 31 | Kansas | 2,485,748 |
| | 32 | Alberta | 2,476,532 |
| | 33 | Florida | 2,474,542 |
| | 34 | Rochester | 2,473,305 |
| | 35 | British Columbia | 2,465,584 |
| | 36 | Southern California | 2,441,102 |
| | 37 | Georgia | 2,415,673 |
| | 38 | SUNY-Buffalo | 2,310,828 |
| | 39 | McGill | 2,292,456 |
| | 40 | Missouri | 2,254,750 |
| | 41 | Rutgers | 2,218,913 |
| | 42 | Syracuse | 2,186,470 |
| | 43 | Utah | 2,157,104 |
| | 44 | Louisiana State | 2,147,840 |
| | 45 | South Carolina | 2,117,042 |
| | 46 | Oklahoma | 2,108,359 |
| | 47 | Wayne State | 2,084,110 |
| | 48 | Massachusetts | 2,068,005 |
| | 49 | Colorado | 2,051,953 |
| | 50 | Washington, St. Louis | 2,029,838 |
| | 51 | Hawaii | 2,013,146 |
| | 52 | Arizona State | 2,000,762 |
| 9 | 53 | Calif., Davis | 1,995,437 |
| | 54 | MIT | 1,993,922 |
| | 55 | Brown | 1,966,160 |
| | 56 | Kentucky | 1,962,733 |
| | 57 | Connecticut | 1,960,607 |
| | 58 | Emory | 1,888,061 |
| | 59 | Georgia Tech | 1,852,788 |
| | 60 | Southern Illinois | 1,844,548 |
| | 61 | Temple | 1,839,707 |
| | 62 | Nebraska | 1,773,097 |
| | 63 | Brigham Young | 1,744,081 |
| | 64 | Calif., Santa Barbara | 1,698,590 |
| | 65 | Calif., San Diego | 1,698,201 |
| | 66 | Maryland | 1,697,490 |
| | 67 | Oregon | 1,675,727 |
| | 68 | Delaware | 1,668,896 |
| | 69 | Purdue | 1,655,449 |
| | 70 | Western Ontario | 1,651,771 |
| | 71 | Florida State | 1,626,574 |
| | 72 | Notre Dame | 1,616,220 |
| | 73 | Alabama | 1,612,375 |
| | 74 | Iowa State | 1,609,802 |
| | 75 | Vanderbilt | 1,608,105 |
| | 76 | Dartmouth | 1,605,240 |
| | 77 | Texas A & M | 1,600,043 |
| | 78 | Queen's | 1,597,351 |
| | 79 | Tulane | 1,576,287 |
| | 80 | Kent State | 1,570,832 |
| | 81 | Guelph | 1,564,686 |
| | 82 | Boston | 1,546,525 |
| | 83 | York | 1,534,400 |
| | 84 | Georgetown | 1,533,577 |
| | 85 | Tennessee | 1,524,127 |
| | 86 | New Mexico | 1,514,077 |
| | 87 | Miami | 1,508,447 |
| | 88 | Virginia Polytechnic | 1,493,361 |
| | 89 | Laval | 1,490,743 |
| | 90 | Howard | 1,474,318 |
| | 91 | SUNY-Stony Brook | 1,473,744 |
| | 92 | Cincinnati | 1,469,931 |
| | 93 | Case Western Reserve | 1,469,190 |
| | 94 | Colorado State | 1,446,036 |
| | 95 | Houston | 1,434,745 |
| | 96 | Washington State | 1,418,725 |
| | 97 | Waterloo | 1,400,404 |
| | 98 | Oklahoma State | 1,398,221 |
| | 99 | McMaster | 1,394,824 |
| | 100 | Manitoba | 1,367,086 |
| | 101 | Rice | 1,234,034 |
| | 102 | Saskatchewan | 1,207,163 |
| | 103 | Calif., Riverside | 1,204,419 |
| | 104 | North Carolina State | 1,182,891 |
| | 105 | Calif., Irvine | 1,178,819 |
| | 106 | SUNY-Albany | 1,130,619 |

## RANK ORDER TABLE 2: VOLUMES ADDED (GROSS)

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

1- 250,000 and over
2- 220,000-249,999
3- 190,000-219,999
4- 160,000-189,999
5- 130,000-159,999
6- 100,000-129,999
7- 70,000- 99,999
8- 40,000- 69,999
9- under 39,999

| Gp | Rank | Institution | Value |
|---|---|---|---|
| 1 | 1 | Chicago | 523,485 |
| | 2 | Calif., Berkeley | 301,411 |
| 2 | 3 | Calif., Los Angeles | 230,945 |
| 3 | 4 | Toronto | 202,407 |
| | 5 | Texas | 201,030 |
| | 6 | Illinois | 200,409 |
| | 7 | Harvard | 192,573 |
| 5 | 8 | Stanford | 159,118 |
| | 9 | Yale | 153,258 |
| | 10 | Washington | 143,277 |
| | 11 | Indiana | 134,406 |
| | 12 | Michigan | 133,971 |
| 6 | 13 | North Carolina | 128,456 |
| | 14 | Princeton | 121,724 |
| | 15 | Cornell | 121,347 |
| | 16 | British Columbia | 120,672 |
| | 17 | Wisconsin | 119,204 |
| | 18 | Arizona | 115,233 |
| | 19 | Columbia | 113,182 |
| | 20 | Virginia | 106,668 |
| | 21 | Minnesota | 105,801 |
| | 22 | Ohio State | 105,289 |
| | 23 | Pennsylvania | 103,823 |
| | 24 | Connecticut | 101,616 |
| | 25 | Northwestern | 101,153 |
| 7 | 26 | Arizona State | 99,398 |
| | 27 | Georgia | 99,384 |
| | 28 | Howard | 95,375 |
| | 29 | Pennsylvania State | 91,775 |
| | 30 | Calif., Davis | 91,181 |
| | 31 | Michigan State | 89,768 |
| | 32 | Kansas | 88,451 |
| | 33 | Utah | 88,170 |
| | 34 | Iowa | 88,085 |
| | 35 | Pittsburgh | 85,439 |
| | 36 | Southern California | 82,878 |
| | 37 | Duke | 82,259 |
| | 38 | Alberta | 81,322 |
| | 39 | SUNY-Buffalo | 81,186 |
| | 40 | Rutgers | 80,856 |
| | 41 | Western Ontario | 79,205 |
| | 42 | Maryland | 78,889 |
| | 43 | Guelph | 78,128 |
| | 44 | Waterloo | 76,979 |
| | 45 | Calif., San Diego | 76,857 |
| | 46 | New York | 76,763 |
| | 47 | Georgia Tech | 75,790 |
| | 48 | Syracuse | 72,740 |
| | 49 | Georgetown | 72,228 |
| | 50 | Florida | 70,284 |
| 8 | 51 | Purdue | 69,529 |
| | 52 | Louisiana State | 67,894 |
| | 53 | Massachusetts | 67,650 |
| | 54 | South Carolina | 67,387 |
| | 55 | Brigham Young | 67,213 |
| | 56 | Virginia Polytechnic | 66,413 |
| | 57 | Johns Hopkins | 64,915 |
| | 58 | Vanderbilt | 64,673 |
| | 59 | Hawaii | 64,309 |
| | 60 | McGill | 64,069 |
| | 61 | Boston | 62,603 |
| | 62 | Nebraska | 61,711 |
| | 63 | MIT | 61,648 |
| | 64 | Texas A & M | 60,933 |
| | 65 | Iowa State | 60,563 |
| | 66 | Emory | 60,454 |
| | 67 | Laval | 58,939 |
| | 68 | Calif., Irvine | 58,530 |
| | 69 | New Mexico | 58,241 |
| | 70 | McMaster | 57,414 |
| | 71 | Calif., Santa Barbara | 57,223 |
| | 72 | Tulane | 56,736 |
| | 73 | Wayne State | 56,384 |
| | 74 | Missouri | 55,371 |
| | 75 | Colorado State | 54,287 |
| | 76 | Queen's | 54,284 |
| | 77 | Temple | 54,269 |
| | 78 | Delaware | 53,849 |
| | 79 | Alabama | 53,632 |
| | 80 | Florida State | 52,001 |
| | 81 | Oklahoma | 50,783 |
| | 82 | Manitoba | 50,604 |
| | 83 | Houston | 50,483 |
| | 84 | North Carolina State | 50,390 |
| | 85 | SUNY-Stony Brook | 49,943 |
| | 86 | Dartmouth | 49,302 |
| | 87 | Brown | 48,429 |
| | 88 | Kent State | 47,963 |
| | 89 | Southern Illinois | 47,566 |
| | 90 | Washington, St. Louis | 47,519 |
| | 91 | Colorado | 47,491 |
| | 92 | Miami | 46,514 |
| | 93 | Oregon | 46,190 |
| | 94 | Rice | 45,902 |
| | 95 | Calif., Riverside | 45,648 |
| | 96 | Rochester | 45,556 |
| | 97 | York | 45,453 |
| | 98 | Cincinnati | 44,970 |
| | 99 | Tennessee | 44,643 |
| | 100 | Kentucky | 42,796 |
| | 101 | Notre Dame | 41,580 |
| | 102 | Saskatchewan | 41,028 |
| 9 | 103 | SUNY-Albany | 39,303 |
| | 104 | Washington State | 36,555 |
| | 105 | Oklahoma State | 35,046 |
| | 106 | Case Western Reserve | 28,398 |

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

Group ranges (in thousands) are:

1- 4,000 and over
2- 3,500-3,999
3- 3,000-3,499
4- 2,500-2,999
5- 2,000-2,499
6- 1,500-1,999
7- 1,000-1,499
8- under 1,000

| Gp | Rank | Institution | Value |
|---|---|---|---|
| 1 | 1 | Washington | 4,331,060 |
| 2 | 2 | Virginia Polytechnic | 3,843,784 |
| | 3 | Harvard | 3,728,002 |
| | 4 | Calif., Los Angeles | 3,601,884 |
| | 5 | Cornell | 3,522,702 |
| 3 | 6 | Texas | 3,403,469 |
| | 7 | British Columbia | 3,193,609 |
| | 8 | Missouri | 3,187,381 |
| | 9 | Columbia | 3,178,254 |
| | 10 | Calif., Berkeley | 3,146,663 |
| | 11 | Virginia | 3,132,566 |
| | 12 | Georgia | 3,122,764 |
| 4 | 13 | New Mexico | 2,980,951 |
| | 14 | Stanford | 2,920,353 |
| | 15 | Arizona | 2,906,485 |
| | 16 | SUNY-Buffalo | 2,883,232 |
| | 17 | Kentucky | 2,865,988 |
| | 18 | Colorado | 2,810,799 |
| | 19 | Florida | 2,743,021 |
| | 20 | Houston | 2,698,506 |
| | 21 | Michigan | 2,676,077 |
| | 22 | Southern Illinois | 2,665,519 |
| | 23 | Wisconsin | 2,624,474 |
| | 24 | Syracuse | 2,592,231 |
| | 25 | Florida State | 2,570,158 |
| | 26 | Iowa | 2,534,227 |
| | 27 | Rochester | 2,524,942 |
| | 28 | Ohio State | 2,520,652 |
| 5 | 29 | Oklahoma | 2,401,278 |
| | 30 | North Carolina State | 2,398,545 |
| | 31 | Maryland | 2,320,989 |
| | 32 | Hawaii | 2,313,410 |
| | 33 | North Carolina | 2,312,147 |
| | 34 | SUNY-Stony Brook | 2,298,341 |
| | 35 | Louisiana State | 2,271,965 |
| | 36 | Howard | 2,252,333 |
| | 37 | Texas A & M | 2,197,726 |
| | 38 | Boston | 2,189,080 |
| | 39 | South Carolina | 2,160,360 |
| | 40 | Yale | 2,144,124 |
| | 41 | SUNY-Albany | 2,135,826 |
| | 42 | Washington State | 2,127,940 |
| | 43 | Calif., Davis | 2,105,941 |
| | 44 | Rutgers | 2,098,916 |
| | 45 | Utah | 2,076,598 |
| | 46 | Arizona State | 2,075,398 |
| | 47 | Connecticut | 2,056,597 |
| | 48 | Michigan State | 2,035,637 |
| | 49 | Alberta | 2,029,107 |
| | 50 | Calif., Santa Barbara | 2,012,402 |
| | 51 | Minnesota | 2,003,729 |
| 6 | 52 | Miami | 1,993,180 |
| | 53 | Illinois | 1,991,702 |
| | 54 | Georgia Tech | 1,984,843 |
| | 55 | Toronto | 1,941,649 |
| | 56 | Nebraska | 1,884,591 |
| | 57 | Pittsburgh | 1,861,428 |
| | 58 | Princeton | 1,845,806 |
| | 59 | New York | 1,823,585 |
| | 60 | Pennsylvania State | 1,773,368 |
| | 61 | Pennsylvania | 1,771,609 |
| | 62 | Cincinnati | 1,743,026 |
| | 63 | Iowa State | 1,718,956 |
| | 64 | Dartmouth | 1,662,640 |
| | 65 | Southern California | 1,652,813 |
| | 66 | Oklahoma State | 1,649,923 |
| | 67 | Tennessee | 1,630,559 |
| | 68 | Rice | 1,622,898 |
| | 69 | Indiana | 1,614,717 |
| | 70 | Kansas | 1,568,027 |
| | 71 | Wayne State | 1,554,939 |
| | 72 | Western Ontario | 1,523,916 |
| | 73 | Northwestern | 1,519,982 |
| | 74 | York | 1,510,472 |
| | 75 | MIT | 1,500,080 |
| 7 | 76 | Tulane | 1,490,720 |
| | 77 | Purdue | 1,471,198 |
| | 78 | Washington, St. Louis | 1,464,768 |
| | 79 | Johns Hopkins | 1,441,756 |
| | 80 | Saskatchewan | 1,431,945 |
| | 81 | Chicago | 1,411,921 |
| | 82 | Georgetown | 1,390,596 |
| | 83 | Emory | 1,371,077 |
| | 84 | Vanderbilt | 1,322,472 |
| | 85 | Calif., Irvine | 1,322,227 |
| | 86 | Brigham Young | 1,311,392 |
| | 87 | Massachusetts | 1,309,937 |
| | 88 | Oregon | 1,288,562 |
| | 89 | Delaware | 1,263,165 |
| | 90 | Queen's | 1,240,185 |
| | 91 | Duke | 1,214,139 |
| | 92 | Temple | 1,173,181 |
| | 93 | Alabama | 1,154,801 |
| | 94 | Calif., San Diego | 1,120,220 |
| | 95 | Colorado State | 1,075,957 |
| | 96 | Kent State | 1,053,974 |
| | 97 | Calif., Riverside | 1,025,922 |
| 8 | 98 | McMaster | 990,563 |
| | 99 | Guelph | 927,545 |
| | 100 | Brown | 901,846 |
| | 101 | Notre Dame | 852,870 |
| | 102 | Manitoba | 784,176 |
| | 103 | McGill | 707,888 |
| | 104 | Laval | 619,569 |
| | 105 | Case Western Reserve | 597,108 |
| | 106 | Waterloo | 548,568 |

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

1- 90,000 and over
2- 80,000-89,999
3- 70,000-79,999
4- 60,000-69,999
5- 50,000-59,999
6- 40,000-49,999
7- 30,000-39,999
8- 20,000-29,999
9- 10,000-19,999
10- under 10,000

| Gp | Rank | Institution | Value | Gp | Rank | Institution | Value |
|---|---|---|---|---|---|---|---|
| 1 | 1 | Harvard | 103,000 | | 52 | Alberta | 21,234 |
| | 2 | Calif., Berkeley | 94,108 | | 53 | Southern Illinois | 21,000 |
| | 3 | Illinois | 93,913 | | 54 | Wayne State | 20,995 |
| | | | | | 55 | Iowa State | 20,652 |
| 2 | 4 | Calif., Los Angeles | 83,804 | | 56 | MIT | 20,637 |
| | | | | | 57 | Miami | 20,477 |
| 3 | 5 | Texas | 77,478 | | 58 | Missouri | 20,445 |
| | | | | | 59 | Calif., Santa Barbara | 20,237 |
| 4 | 6 | Michigan | 63,947 | | 60 | Georgetown | 20,042 |
| | 7 | Columbia | 61,958 | | | | |
| | | | | 9 | 61 | Maryland | 19,829 |
| 5 | 8 | Yale | 55,801 | | 62 | York | 19,713 |
| | 9 | Cornell | 55,365 | | 63 | Delaware | 19,576 |
| | 10 | Georgia | 51,925 | | 64 | Dartmouth | 19,534 |
| | | | | | 65 | Johns Hopkins | 19,524 |
| 6 | 11 | Wisconsin | 48,666 | | 66 | Virginia Polytechnic | 19,000 |
| | 12 | Stanford | 48,573 | | 67 | Western Ontario | 18,949 |
| | 13 | Calif., Davis | 47,874 | | 68 | Cincinnati | 18,794 |
| | 14 | Chicago | 47,796 | | 69 | Connecticut | 18,634 |
| | 15 | Minnesota | 44,714 | | 70 | North Carolina State | 18,535 |
| | 16 | North Carolina | 40,225 | | 71 | Texas A & M | 18,053 |
| | | | | | 72 | Tennessee | 17,983 |
| 7 | 17 | Toronto | 39,981 | | 73 | New Mexico | 17,671 |
| | 18 | Washington | 39,868 | | 74 | Oregon | 17,561 |
| | 19 | Princeton | 38,052 | | 75 | Emory | 17,549 |
| | 20 | Southern California | 37,926 | | 76 | Purdue | 17,451 |
| | 21 | British Columbia | 35,299 | | 77 | South Carolina | 17,434 |
| | 22 | Washington State | 33,947 | | 78 | Colorado State | 17,390 |
| | 23 | Hawaii | 33,889 | | 79 | SUNY-Stony Brook | 17,170 |
| | 24 | Arizona | 33,616 | | 80 | Calif., Irvine | 16,918 |
| | 25 | Iowa | 32,815 | | 81 | Brigham Young | 16,722 |
| | 26 | New York | 31,009 | | 82 | Vanderbilt | 16,672 |
| | 27 | Indiana | 30,996 | | 83 | Waterloo | 16,346 |
| | 28 | Calif., San Diego | 30,927 | | 84 | SUNY-Albany | 16,243 |
| | 29 | Ohio State | 30,909 | | 85 | Washington, St. Louis | 16,152 |
| | | | | | 86 | Notre Dame | 15,711 |
| 8 | 30 | Pennsylvania | 29,825 | | 87 | Alabama | 15,644 |
| | 31 | Duke | 29,588 | | 88 | Queen's | 15,229 |
| | 32 | Kansas | 29,353 | | 89 | Brown | 15,195 |
| | 33 | Florida | 29,079 | | 90 | Temple | 15,027 |
| | 34 | Georgia Tech | 28,380 | | 91 | McGill | 14,660 |
| | 35 | Arizona State | 27,803 | | 92 | Tulane | 14,652 |
| | 36 | Boston | 27,074 | | 93 | Oklahoma State | 14,617 |
| | 37 | Houston | 27,002 | | 94 | Oklahoma | 14,528 |
| | 38 | Pennsylvania State | 26,820 | | 95 | McMaster | 14,450 |
| | 39 | Northwestern | 25,474 | | 96 | Utah | 14,348 |
| | 40 | Howard | 24,147 | | 97 | Laval | 13,764 |
| | 41 | Louisiana State | 23,840 | | 98 | Massachusetts | 13,555 |
| | 42 | Nebraska | 23,485 | | 99 | Calif., Riverside | 13,349 |
| | 43 | SUNY-Buffalo | 23,302 | | 100 | Rochester | 12,562 |
| | 44 | Rutgers | 22,893 | | 101 | Case Western Reserve | 11,974 |
| | 45 | Michigan State | 22,808 | | 102 | Manitoba | 11,826 |
| | 46 | Colorado | 22,486 | | 103 | Rice | 10,723 |
| | 47 | Syracuse | 22,469 | | | | |
| | 48 | Kentucky | 22,242 | 10 | 104 | Guelph | 9,816 |
| | 49 | Virginia | 22,227 | | 105 | Saskatchewan | 9,702 |
| | 50 | Pittsburgh | 22,145 | | 106 | Kent State | 9,465 |
| | 51 | Florida State | 22,136 | | | | |

# RANK ORDER TABLE 5: PROFESSIONAL STAFF (FTE)

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

1- 225 and over
2- 200-224
3- 175-199
4- 150-174
5- 125-149
6- 100-124
7- 75- 99
8- 50- 74
9- 25- 49

| Gp | Rank | Institution | Value |
|---|---|---|---|
| 1 | 1 | Harvard | 310 |
| 3 | 2 | Calif., Los Angeles | 190 |
| | 3 | Yale | 176 |
| 4 | 4 | Calif., Berkeley | 170 |
| | 5 | Cornell | 157 |
| | 6 | Stanford | 155 |
| | 7 | Toronto | 153 |
| 5 | 8 | Texas | 146 |
| | 9 | Michigan | 142 |
| | 10 | Columbia | 133 |
| | 11 | Wisconsin | 132 |
| 6 | 12 | Washington | 124 |
| | 13 | Illinois | 122 |
| | 14 | North Carolina | 114 |
| | 15 | Indiana | 109 |
| | 16 | Minnesota | 109 |
| | 17 | Ohio State | 109 |
| | 18 | New York | 108 |
| | 19 | Howard | 105 |
| | 20 | British Columbia | 104 |
| | 21 | Northwestern | 104 |
| | 22 | Pennsylvania State | 103 |
| | 23 | Pennsylvania | 101 |
| 7 | 24 | Florida | 98 |
| | 25 | Southern California | 98 |
| | 26 | Duke | 97 |
| | 27 | Rutgers | 96 |
| | 28 | Princeton | 95 |
| | 29 | Arizona | 91 |
| | 30 | SUNY-Buffalo | 90 |
| | 31 | Virginia | 89 |
| | 32 | MIT | 86 |
| | 33 | Pittsburgh | 86 |
| | 34 | Alberta | 83 |
| | 35 | Johns Hopkins | 82 |
| | 36 | Maryland | 82 |
| | 37 | Kansas | 81 |
| | 38 | Iowa | 79 |
| | 39 | Chicago | 77 |
| | 40 | Georgia | 76 |
| | 41 | Brigham Young | 75 |
| | 42 | Laval | 75 |
| 8 | 43 | Michigan State | 74 |
| | 44 | McGill | 73 |
| | 45 | Case Western Reserve | 72 |
| | 46 | New Mexico | 70 |
| | 47 | Temple | 69 |
| | 48 | Brown | 68 |
| | 49 | Cincinnati | 68 |
| | 50 | Georgetown | 68 |
| | 51 | Wayne State | 68 |
| | 52 | Calif., Davis | 67 |
| | 53 | Texas A & M | 67 |
| | 54 | Washington, St. Louis | 67 |
| | 55 | Arizona State | 66 |
| | 56 | Louisiana State | 66 |
| | 57 | Syracuse | 65 |
| | 58 | Vanderbilt | 65 |
| | 59 | Boston | 64 |
| | 60 | Kentucky | 64 |
| | 61 | Hawaii | 62 |
| | 62 | Calif., San Diego | 61 |
| | 63 | Connecticut | 61 |
| | 64 | Manitoba | 61 |
| | 65 | Miami | 60 |
| | 66 | South Carolina | 60 |
| | 67 | Houston | 57 |
| | 68 | Rochester | 57 |
| | 69 | Southern Illinois | 57 |
| | 70 | Calif., Santa Barbara | 56 |
| | 71 | Emory | 56 |
| | 72 | Florida State | 56 |
| | 73 | Western Ontario | 56 |
| | 74 | Massachusetts | 55 |
| | 75 | Virginia Polytechnic | 55 |
| | 76 | Nebraska | 54 |
| | 77 | Tennessee | 54 |
| | 78 | Alabama | 52 |
| | 79 | Oregon | 51 |
| | 80 | Missouri | 50 |
| 9 | 81 | Georgia Tech | 49 |
| | 82 | SUNY-Stony Brook | 49 |
| | 83 | Tulane | 49 |
| | 84 | Iowa State | 48 |
| | 85 | SUNY-Albany | 48 |
| | 86 | Utah | 48 |
| | 87 | Calif., Irvine | 46 |
| | 88 | York | 46 |
| | 89 | Colorado | 45 |
| | 90 | Oklahoma | 45 |
| | 91 | North Carolina State | 44 |
| | 92 | Colorado State | 43 |
| | 93 | Delaware | 43 |
| | 94 | Purdue | 43 |
| | 95 | Waterloo | 43 |
| | 96 | Dartmouth | 41 |
| | 97 | Oklahoma State | 41 |
| | 98 | Notre Dame | 40 |
| | 99 | Washington State | 40 |
| | 100 | Kent State | 39 |
| | 101 | McMaster | 39 |
| | 102 | Queen's | 39 |
| | 103 | Rice | 38 |
| | 104 | Saskatchewan | 36 |
| | 105 | Calif., Riverside | 34 |
| | 106 | Guelph | 34 |

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

1- 450 and over
2- 400-449
3- 350-399
4- 300-349
5- 250-299
6- 200-249
7- 150-199
8- 100-149
9- 50- 99

| Gp | Rank | Institution | Value | Gp | Rank | Institution | Value |
|---|---|---|---|---|---|---|---|
| 1 | 1 | Harvard | 516 | | 52 | New Mexico | 140 |
| | 2 | Toronto | 478 | | 53 | Calif., Santa Barbara | 137 |
| | | | | | 54 | Tennessee | 134 |
| 3 | 3 | Texas | 373 | | 55 | York | 134 |
| | | | | | 56 | Michigan State | 133 |
| 4 | 4 | Yale | 345 | | 57 | Kansas | 128 |
| | 5 | Stanford | 340 | | 58 | Houston | 126 |
| | 6 | Cornell | 300 | | 59 | Kentucky | 123 |
| | | | | | 60 | Cincinnati | 122 |
| 5 | 7 | Illinois | 298 | | 61 | Washington, St. Louis | 121 |
| | 8 | Calif., Berkeley | 296 | | 62 | Emory | 119 |
| | 9 | British Columbia | 285 | | 63 | Miami | 119 |
| | 10 | Alberta | 282 | | 64 | Temple | 119 |
| | 11 | Calif., Los Angeles | 282 | | 65 | Saskatchewan | 118 |
| | 12 | Columbia | 280 | | 66 | Louisiana State | 117 |
| | 13 | Michigan | 270 | | 67 | SUNY-Buffalo | 117 |
| | 14 | Pennsylvania State | 254 | | 68 | SUNY-Stony Brook | 116 |
| | | | | | 69 | Vanderbilt | 116 |
| 6 | 15 | Wisconsin | 234 | | 70 | Guelph | 115 |
| | 16 | Rutgers | 232 | | 71 | Massachusetts | 115 |
| | 17 | Washington | 232 | | 72 | Missouri | 113 |
| | 18 | Princeton | 229 | | 73 | Wayne State | 112 |
| | 19 | Indiana | 209 | | 74 | North Carolina State | 110 |
| | 20 | McGill | 209 | | 75 | Iowa State | 108 |
| | 21 | Western Ontario | 208 | | 76 | Nebraska | 107 |
| | 22 | Ohio State | 203 | | 77 | Rochester | 107 |
| | | | | | 78 | Dartmouth | 105 |
| 7 | 23 | North Carolina | 196 | | 79 | South Carolina | 105 |
| | 24 | Virginia | 194 | | 80 | Virginia Polytechnic | 105 |
| | 25 | Laval | 188 | | 81 | Connecticut | 103 |
| | 26 | New York | 188 | | 82 | Utah | 103 |
| | 27 | Arizona | 183 | | 83 | Notre Dame | 102 |
| | 28 | Calif., Davis | 182 | | 84 | Washington State | 102 |
| | 29 | Johns Hopkins | 179 | | 85 | Brown | 101 |
| | 30 | Arizona State | 173 | | 86 | Georgetown | 100 |
| | 31 | Chicago | 173 | | 87 | Iowa | 100 |
| | 32 | Minnesota | 172 | | | | |
| | 33 | Duke | 171 | 9 | 88 | Calif., Riverside | 99 |
| | 34 | Howard | 170 | | 89 | Hawaii | 98 |
| | 35 | Pittsburgh | 166 | | 90 | Tulane | 98 |
| | 36 | Purdue | 165 | | 91 | Colorado | 96 |
| | 37 | Georgia | 163 | | 92 | Florida State | 95 |
| | 38 | Florida | 159 | | 93 | Delaware | 94 |
| | 39 | Manitoba | 156 | | 94 | Kent State | 93 |
| | 40 | Pennsylvania | 156 | | 95 | Southern Illinois | 93 |
| | 41 | Calif., San Diego | 155 | | 96 | Calif., Irvine | 92 |
| | 42 | Maryland | 150 | | 97 | Oregon | 87 |
| | 43 | MIT | 150 | | 98 | SUNY-Albany | 85 |
| | | | | | 99 | Oklahoma | 82 |
| 8 | 44 | Northwestern | 149 | | 100 | Colorado State | 80 |
| | 45 | Southern California | 149 | | 101 | Rice | 72 |
| | 46 | Waterloo | 148 | | 102 | Case Western Reserve | 70 |
| | 47 | Queen's | 147 | | 103 | Alabama | 67 |
| | 48 | Texas A & M | 146 | | 104 | Brigham Young | 56 |
| | 49 | Boston | 144 | | 105 | Oklahoma State | 55 |
| | 50 | Syracuse | 141 | | 106 | Georgia Tech | 50 |
| | 51 | McMaster | 140 | | | | |

# RANK ORDER TABLE 7: TOTAL STAFF (FTE)

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

| | |
|---|---|
| 1- 650 and over | 7- 350-399 |
| 2- 600-649 | 8- 300-349 |
| 3- 550-599 | 9- 250-299 |
| 4- 500-549 | 10- 200-249 |
| 5- 450-499 | 11- 150-199 |
| 6- 400-449 | 12- 100-149 |

| Gp | Rank | Institution | Value | Gp | Rank | Institution | Value |
|---|---|---|---|---|---|---|---|
| 1 | 1 | Harvard | 1,001 | | 52 | Cincinnati | 262 |
| | 2 | Toronto | 727 | | 53 | Purdue | 259 |
| | 3 | Calif., Berkeley | 721 | | 54 | Georgetown | 257 |
| | 4 | Calif., Los Angeles | 692 | | 55 | Houston | 252 |
| | | | | | 56 | Iowa | 251 |
| 3 | 5 | Yale | 595 | | 57 | Kentucky | 251 |
| | 6 | Texas | 593 | | 58 | Temple | 250 |
| | 7 | Stanford | 587 | | | | |
| | 8 | Columbia | 553 | 10 | 59 | Miami | 246 |
| | 9 | Illinois | 551 | | 60 | Southern Illinois | 245 |
| | | | | | 61 | Vanderbilt | 244 |
| 4 | 10 | Michigan | 543 | | 62 | Syracuse | 243 |
| | 11 | Cornell | 533 | | 63 | Manitoba | 239 |
| | 12 | Wisconsin | 519 | | 64 | Calif., Santa Barbara | 236 |
| | | | | | 65 | Wayne State | 230 |
| 5 | 13 | Indiana | 494 | | 66 | Tennessee | 229 |
| | 14 | Washington | 483 | | 67 | Washington, St. Louis | 229 |
| | 15 | Ohio State | 467 | | 68 | Rochester | 228 |
| | | | | | 69 | York | 228 |
| 6 | 16 | British Columbia | 437 | | 70 | Florida State | 226 |
| | 17 | Florida | 430 | | 71 | Emory | 223 |
| | 18 | Rutgers | 429 | | 72 | Connecticut | 222 |
| | 19 | Pennsylvania State | 424 | | 73 | Waterloo | 222 |
| | 20 | Minnesota | 412 | | 74 | Brown | 220 |
| | | | | | 75 | Hawaii | 220 |
| 7 | 21 | Alberta | 398 | | 76 | Massachusetts | 218 |
| | 22 | Howard | 396 | | 77 | Queen's | 216 |
| | 23 | Princeton | 385 | | 78 | Utah | 215 |
| | 24 | North Carolina | 383 | | 79 | SUNY-Stony Brook | 213 |
| | 25 | New York | 366 | | 80 | Missouri | 211 |
| | 26 | Arizona | 362 | | 81 | North Carolina State | 208 |
| | | | | | 82 | Iowa State | 205 |
| 8 | 27 | Northwestern | 348 | | 83 | Nebraska | 203 |
| | 28 | Virginia | 339 | | | | |
| | 29 | Southern California | 338 | 11 | 84 | South Carolina | 199 |
| | 30 | Chicago | 334 | | 85 | McMaster | 197 |
| | 31 | Pittsburgh | 328 | | 86 | Oregon | 195 |
| | 32 | Pennsylvania | 319 | | 87 | Colorado | 193 |
| | 33 | Western Ontario | 318 | | 88 | Washington State | 193 |
| | 34 | Maryland | 317 | | 89 | Calif., Irvine | 192 |
| | 35 | Michigan State | 317 | | 90 | Virginia Polytechnic | 192 |
| | 36 | McGill | 316 | | 91 | Case Western Reserve | 183 |
| | 37 | Calif., Davis | 308 | | 92 | Dartmouth | 180 |
| | 38 | Johns Hopkins | 303 | | 93 | Tulane | 178 |
| | 39 | Duke | 302 | | 94 | Kent State | 177 |
| | 40 | Georgia | 301 | | 95 | Alabama | 176 |
| | | | | | 96 | Saskatchewan | 173 |
| 9 | 41 | Texas A & M | 293 | | 97 | Oklahoma | 170 |
| | 42 | Arizona State | 292 | | 98 | Delaware | 166 |
| | 43 | Kansas | 290 | | 99 | Calif., Riverside | 165 |
| | 44 | Brigham Young | 288 | | 100 | Guelph | 164 |
| | 45 | Boston | 284 | | 101 | Notre Dame | 159 |
| | 46 | New Mexico | 281 | | 102 | SUNY-Albany | 158 |
| | 47 | SUNY-Buffalo | 278 | | 103 | Colorado State | 152 |
| | 48 | MIT | 275 | | 104 | Oklahoma State | 150 |
| | 49 | Calif., San Diego | 272 | | | | |
| | 50 | Louisiana State | 271 | 12 | 105 | Rice | 131 |
| | 51 | Laval | 266 | | 106 | Georgia Tech | 114 |

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

Group ranges (in thousands) are:

1- 5,500 and over
2- 5,000-5,499
3- 4,500-4,999
4- 4,000-4,499
5- 3,500-3,999
6- 3,000-3,499
7- 2,500-2,999
8- 2,000-2,499
9- 1,500-1,999
10- 1,000-1,499

| Gp | Rank | Institution | Value |
|---|---|---|---|
| 1 | 1 | Harvard | 6,871,754 |
| | 2 | Texas | 6,539,296 |
| | 3 | Calif., Los Angeles | 5,849,917 |
| | 4 | Stanford | 5,754,736 |
| 2 | 5 | Calif., Berkeley | 5,115,266 |
| 3 | 6 | Yale | 4,916,200 |
| | 7 | Michigan | 4,734,897 |
| | 8 | Illinois | 4,724,114 |
| 4 | 9 | Ohio State | 4,386,886 |
| | 10 | Virginia | 4,345,772 |
| | 11 | Cornell | 4,331,291 |
| | 12 | Washington | 4,311,786 |
| | 13 | Toronto | 4,292,215 |
| | 14 | Columbia | 4,260,392 |
| | 15 | Arizona | 4,256,069 |
| | 16 | North Carolina | 4,222,600 |
| | 17 | Wisconsin | 4,014,395 |
| 5 | 18 | Calif., Davis | 3,703,014 |
| | 19 | Minnesota | 3,570,053 |
| | 20 | Princeton | 3,557,309 |
| | 21 | Indiana | 3,515,523 |
| 6 | 22 | Pennsylvania State | 3,475,783 |
| | 23 | Georgia | 3,473,006 |
| | 24 | New York | 3,413,364 |
| | 25 | Iowa | 3,406,656 |
| | 26 | Arizona State | 3,401,502 |
| | 27 | Rutgers | 3,356,846 |
| | 28 | Kansas | 3,132,388 |
| | 29 | Louisiana State | 3,128,755 |
| | 30 | Duke | 3,102,947 |
| | 31 | Calif., San Diego | 3,093,398 |
| | 32 | Texas A & M | 3,046,940 |
| 7 | 33 | Southern California | 2,993,179 |
| | 34 | Chicago | 2,979,870 |
| | 35 | Western Ontario | 2,953,172 |
| | 36 | Northwestern | 2,946,886 |
| | 37 | Maryland | 2,944,272 |
| | 38 | Florida | 2,930,847 |
| | 39 | British Columbia | 2,815,287 |
| | 40 | Howard | 2,809,576 |
| | 41 | Calif., Irvine | 2,779,486 |
| | 42 | Delaware | 2,756,606 |
| | 43 | Alberta | 2,686,758 |
| | 44 | Michigan State | 2,681,414 |
| | 45 | Calif., Santa Barbara | 2,672,877 |
| | 46 | Emory | 2,625,957 |
| | 47 | Iowa State | 2,603,083 |
| | 48 | SUNY-Buffalo | 2,588,461 |
| | 49 | Nebraska | 2,579,096 |
| | 50 | McMaster | 2,556,493 |
| | 51 | Georgetown | 2,556,310 |
| | 52 | Johns Hopkins | 2,553,488 |
| 8 | 53 | Houston | 2,512,676 |
| | 54 | Pennsylvania | 2,510,010 |
| | 55 | Virginia Polytechnic | 2,504,900 |
| | 56 | Boston | 2,500,588 |
| | 57 | McGill | 2,449,701 |
| | 58 | Cincinnati | 2,448,460 |
| | 59 | Syracuse | 2,446,463 |
| | 60 | Wayne State | 2,445,405 |
| | 61 | Kentucky | 2,436,446 |
| | 62 | North Carolina State | 2,416,359 |
| | 63 | Pittsburgh | 2,409,894 |
| | 64 | Connecticut | 2,398,835 |
| | 65 | Brigham Young | 2,349,046 |
| | 66 | Tulane | 2,315,684 |
| | 67 | Oregon | 2,312,004 |
| | 68 | Washington, St. Louis | 2,225,199 |
| | 69 | New Mexico | 2,208,927 |
| | 70 | Vanderbilt | 2,184,547 |
| | 71 | Miami | 2,155,494 |
| | 72 | Brown | 2,146,428 |
| | 73 | Missouri | 2,146,421 |
| | 74 | Florida State | 2,145,212 |
| | 75 | SUNY-Stony Brook | 2,142,329 |
| | 76 | Colorado | 2,127,094 |
| | 77 | Rochester | 2,126,472 |
| | 78 | Waterloo | 2,114,595 |
| | 79 | Purdue | 2,108,762 |
| | 80 | South Carolina | 2,052,027 |
| | 81 | Hawaii | 2,045,989 |
| | 82 | Calif., Riverside | 2,044,019 |
| | 83 | Southern Illinois | 2,015,648 |
| 9 | 84 | Washington State | 1,994,194 |
| | 85 | Alabama | 1,974,188 |
| | 86 | York | 1,953,204 |
| | 87 | Queen's | 1,949,775 |
| | 88 | Tennessee | 1,947,757 |
| | 89 | Notre Dame | 1,940,222 |
| | 90 | Dartmouth | 1,910,428 |
| | 91 | Oklahoma | 1,894,874 |
| | 92 | SUNY-Albany | 1,876,474 |
| | 93 | Massachusetts | 1,810,616 |
| | 94 | MIT | 1,810,512 |
| | 95 | Temple | 1,797,813 |
| | 96 | Utah | 1,767,976 |
| | 97 | Manitoba | 1,758,701 |
| | 98 | Laval | 1,723,580 |
| | 99 | Saskatchewan | 1,715,476 |
| | 100 | Oklahoma State | 1,652,902 |
| | 101 | Rice | 1,647,554 |
| | 102 | Case Western Reserve | 1,553,096 |
| 10 | 103 | Colorado State | 1,416,294 |
| | 104 | Guelph | 1,353,278 |
| | 105 | Georgia Tech | 1,309,460 |
| | 106 | Kent State | 1,183,869 |

## RANK ORDER TABLE 9: MATERIALS AND BINDING EXPENDITURES

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

Group ranges (in thousands) are:

| | | | |
|---|---|---|---|
| 1- | 5,500 and over | 6- | 3,000-3,499 |
| 2- | 5,000-5,499 | 7- | 2,500-2,999 |
| 3- | 4,500-4,999 | 8- | 2,000-2,499 |
| 4- | 4,000-4,499 | 9- | 1,500-1,999 |
| 5- | 3,500-3,999 | 10- | 1,000-1,499 |

| Gp | Rank | Institution | Value |
|---|---|---|---|
| 1 | 1 | Harvard | 7,493,242 |
| | 2 | Texas | 6,721,683 |
| | 3 | Calif., Los Angeles | 6,463,779 |
| | 4 | Stanford | 6,105,880 |
| | 5 | Calif., Berkeley | 5,635,016 |
| 2 | 6 | Yale | 5,195,600 |
| | 7 | Michigan | 5,010,142 |
| 3 | 8 | Illinois | 4,952,017 |
| | 9 | Washington | 4,684,970 |
| | 10 | Columbia | 4,653,242 |
| | 11 | Ohio State | 4,598,760 |
| | 12 | Cornell | 4,570,526 |
| | 13 | Virginia | 4,555,402 |
| | 14 | Arizona | 4,513,443 |
| 4 | 15 | North Carolina | 4,478,662 |
| | 16 | Toronto | 4,475,403 |
| | 17 | Wisconsin | 4,232,445 |
| | 18 | Calif., Davis | 4,048,106 |
| 5 | 19 | Minnesota | 3,951,635 |
| | 20 | Princeton | 3,809,100 |
| | 21 | Indiana | 3,725,924 |
| | 22 | Rutgers | 3,712,539 |
| | 23 | Georgia | 3,712,189 |
| | 24 | Pennsylvania State | 3,701,269 |
| | 25 | Iowa | 3,642,048 |
| | 26 | New York | 3,619,759 |
| | 27 | Arizona State | 3,567,687 |
| 6 | 28 | Calif., San Diego | 3,333,733 |
| | 29 | Louisiana State | 3,313,913 |
| | 30 | Kansas | 3,304,309 |
| | 31 | Duke | 3,292,906 |
| | 32 | Chicago | 3,226,493 |
| | 33 | Texas A & M | 3,159,883 |
| | 34 | Northwestern | 3,149,487 |
| | 35 | Southern California | 3,133,162 |
| | 36 | Maryland | 3,098,066 |
| | 37 | Florida | 3,043,094 |
| 7 | 38 | Western Ontario | 2,981,459 |
| | 39 | Calif., Irvine | 2,970,953 |
| | 40 | British Columbia | 2,950,234 |
| | 41 | Howard | 2,926,406 |
| | 42 | Delaware | 2,909,714 |
| | 43 | Calif., Santa Barbara | 2,888,445 |
| | 44 | Michigan State | 2,867,856 |
| | 45 | Pennsylvania | 2,790,324 |
| | 46 | Alberta | 2,786,480 |
| | 47 | Iowa State | 2,756,807 |
| | 48 | Emory | 2,742,913 |
| | 49 | SUNY-Buffalo | 2,722,316 |
| | 50 | Georgetown | 2,709,393 |
| | 51 | Nebraska | 2,695,326 |
| | 52 | Boston | 2,654,423 |
| | 53 | Virginia Polytechnic | 2,637,200 |
| | 54 | Johns Hopkins | 2,630,036 |
| | 55 | McMaster | 2,626,128 |
| | 56 | Houston | 2,621,120 |
| | 57 | McGill | 2,582,196 |
| | 58 | Pittsburgh | 2,578,977 |
| | 59 | Cincinnati | 2,576,535 |
| | 60 | Syracuse | 2,549,334 |
| | 61 | Wayne State | 2,544,395 |
| | 62 | Kentucky | 2,542,947 |
| | 63 | North Carolina State | 2,538,679 |
| | 64 | Connecticut | 2,537,578 |
| 8 | 65 | Brigham Young | 2,431,344 |
| | 66 | Tulane | 2,417,241 |
| | 67 | Oregon | 2,412,217 |
| | 68 | Washington, St. Louis | 2,357,820 |
| | 69 | New Mexico | 2,338,307 |
| | 70 | Florida State | 2,296,585 |
| | 71 | Vanderbilt | 2,293,373 |
| | 72 | Missouri | 2,288,292 |
| | 73 | Brown | 2,285,538 |
| | 74 | Miami | 2,254,114 |
| | 75 | Colorado | 2,249,002 |
| | 76 | SUNY-Stony Brook | 2,231,479 |
| | 77 | Rochester | 2,230,029 |
| | 78 | Hawaii | 2,222,410 |
| | 79 | Purdue | 2,198,695 |
| | 80 | Calif., Riverside | 2,197,672 |
| | 81 | Waterloo | 2,165,970 |
| | 82 | South Carolina | 2,158,210 |
| | 83 | Southern Illinois | 2,140,668 |
| | 84 | Washington State | 2,095,775 |
| | 85 | York | 2,080,023 |
| | 86 | Alabama | 2,073,297 |
| | 87 | Tennessee | 2,061,598 |
| | 88 | Notre Dame | 2,039,014 |
| | 89 | Queen's | 2,037,343 |
| 9 | 90 | Oklahoma | 1,975,605 |
| | 91 | Dartmouth | 1,972,947 |
| | 92 | SUNY-Albany | 1,947,474 |
| | 93 | MIT | 1,935,561 |
| | 94 | Temple | 1,915,118 |
| | 95 | Massachusetts | 1,878,036 |
| | 96 | Utah | 1,876,338 |
| | 97 | Manitoba | 1,846,066 |
| | 98 | Laval | 1,788,761 |
| | 99 | Saskatchewan | 1,782,045 |
| | 100 | Oklahoma State | 1,721,559 |
| | 101 | Rice | 1,695,691 |
| | 102 | Case Western Reserve | 1,624,685 |
| | 103 | Colorado State | 1,509,931 |
| 10 | 104 | Guelph | 1,415,037 |
| | 105 | Georgia Tech | 1,395,075 |
| | 106 | Kent State | 1,249,549 |

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

Group ranges (in thousands) are:

| | | | |
|---|---|---|---|
| 1- | 10,000 and over | 6- | 5,000-5,999 |
| 2- | 9,000-9,999 | 7- | 4,000-4,999 |
| 3- | 8,000-8,999 | 8- | 3,000-3,999 |
| 4- | 7,000-7,999 | 9- | 2,000-2,999 |
| 5- | 6,000-6,999 | 10 | 1,000-1,999 |

| Gp | Rank | Institution | Value |
|---|---|---|---|
| 1 | 1 | Harvard | 16,109,429 |
| | 2 | Calif., Berkeley | 14,751,484 |
| | 3 | Stanford | 13,196,374 |
| | 4 | Calif., Los Angeles | 13,129,007 |
| | 5 | Toronto | 11,977,770 |
| 2 | 6 | Yale | 9,760,550 |
| | 7 | Columbia | 9,195,626 |
| | 8 | Texas | 9,161,771 |
| 3 | 9 | Michigan | 8,266,986 |
| | 10 | Wisconsin | 8,163,935 |
| 4 | 11 | Minnesota | 7,947,433 |
| | 12 | Cornell | 7,859,142 |
| | 13 | Illinois | 7,845,131 |
| | 14 | Princeton | 7,724,797 |
| | 15 | Rutgers | 7,709,873 |
| | 16 | Washington | 7,682,662 |
| | 17 | British Columbia | 7,459,179 |
| 5 | 18 | Alberta | 6,983,390 |
| | 19 | Ohio State | 6,964,343 |
| | 20 | Pennsylvania State | 6,667,337 |
| | 21 | New York | 6,490,290 |
| | 22 | Indiana | 6,140,882 |
| 6 | 23 | North Carolina | 5,961,916 |
| | 24 | Chicago | 5,947,326 |
| | 25 | Calif., Davis | 5,848,301 |
| | 26 | Pennsylvania | 5,767,447 |
| | 27 | McGill | 5,722,221 |
| | 28 | Northwestern | 5,511,422 |
| | 29 | Virginia | 5,317,721 |
| | 30 | Laval | 5,148,173 |
| | 31 | Arizona | 5,131,403 |
| 7 | 32 | Duke | 4,945,550 |
| | 33 | Calif., San Diego | 4,909,975 |
| | 34 | Southern California | 4,809,760 |
| | 35 | Calif., Santa Barbara | 4,799,375 |
| | 36 | Michigan State | 4,782,299 |
| | 37 | Pittsburgh | 4,731,569 |
| | 38 | MIT | 4,717,818 |
| | 39 | Florida | 4,633,069 |
| | 40 | Maryland | 4,480,279 |
| | 41 | SUNY-Buffalo | 4,461,923 |
| | 42 | Howard | 4,436,337 |
| | 43 | Johns Hopkins | 4,369,024 |
| | 44 | Western Ontario | 4,292,219 |
| | 45 | Cincinnati | 4,264,431 |
| | 46 | Kansas | 4,155,983 |
| | 47 | Georgetown | 4,070,257 |
| | 48 | New Mexico | 4,053,926 |
| 8 | 49 | Wayne State | 3,952,217 |
| | 50 | Manitoba | 3,942,941 |
| | 51 | Georgia | 3,905,394 |
| | 52 | Connecticut | 3,904,812 |
| | 53 | Hawaii | 3,889,143 |
| | 54 | Arizona State | 3,866,930 |
| | 55 | Iowa | 3,838,812 |
| | 56 | Calif., Irvine | 3,795,603 |
| | 57 | Texas A & M | 3,742,768 |
| | 58 | Massachusetts | 3,730,377 |
| | 59 | Brigham Young | 3,721,083 |
| | 60 | SUNY-Stony Brook | 3,560,520 |
| | 61 | York | 3,543,991 |
| | 62 | Louisiana State | 3,540,851 |
| | 63 | Southern Illinois | 3,502,039 |
| | 64 | Temple | 3,501,878 |
| | 65 | Boston | 3,483,003 |
| | 66 | Houston | 3,459,541 |
| | 67 | Syracuse | 3,421,719 |
| | 68 | Colorado | 3,397,997 |
| | 69 | Purdue | 3,328,945 |
| | 70 | Kentucky | 3,303,522 |
| | 71 | Rochester | 3,282,857 |
| | 72 | Emory | 3,223,140 |
| | 73 | Waterloo | 3,222,345 |
| | 74 | Miami | 3,219,713 |
| | 75 | Vanderbilt | 3,150,862 |
| | 76 | Brown | 3,146,380 |
| | 77 | Washington, St. Louis | 3,087,241 |
| | 78 | Washington State | 3,085,455 |
| | 79 | Queen's | 3,070,704 |
| | 80 | Iowa State | 3,069,867 |
| | 81 | Missouri | 3,004,588 |
| 9 | 82 | Calif., Riverside | 2,996,239 |
| | 83 | North Carolina State | 2,988,139 |
| | 84 | Tennessee | 2,980,753 |
| | 85 | Saskatchewan | 2,960,196 |
| | 86 | McMaster | 2,928,999 |
| | 87 | South Carolina | 2,870,037 |
| | 88 | Utah | 2,814,118 |
| | 89 | Kent State | 2,792,052 |
| | 90 | Case Western Reserve | 2,775,158 |
| | 91 | Nebraska | 2,765,573 |
| | 92 | Colorado State | 2,732,314 |
| | 93 | Oregon | 2,713,883 |
| | 94 | Florida State | 2,712,490 |
| | 95 | Virginia Polytechnic | 2,654,800 |
| | 96 | Tulane | 2,653,864 |
| | 97 | Guelph | 2,563,045 |
| | 98 | SUNY-Albany | 2,555,819 |
| | 99 | Oklahoma | 2,470,631 |
| | 100 | Dartmouth | 2,385,011 |
| | 101 | Alabama | 2,374,957 |
| | 102 | Delaware | 2,308,804 |
| | 103 | Notre Dame | 2,250,814 |
| 10 | 104 | Rice | 1,909,933 |
| | 105 | Oklahoma State | 1,676,271 |
| | 106 | Georgia Tech | 1,648,643 |

# RANK ORDER TABLE 11: TOTAL OPERATING EXPENDITURES

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

Group ranges (in thousands) are:

| | |
|---|---|
| 1- 16,000 and over | 8- 9,000-9,999 |
| 2- 15,000-15,999 | 9- 8,000-8,999 |
| 3- 14,000-14,999 | 10- 7,000-7,999 |
| 4- 13,000-13,999 | 11- 6,000-6,999 |
| 5- 12,000-12,999 | 12- 5,000-5,999 |
| 6- 11,000-11,999 | 13- 4,000-4,999 |
| 7- 10,000-10,999 | 14- 3,000-3,999 |

| Gp | Rank | Institution | Value |
|---|---|---|---|
| 1 | 1 | Harvard | 24,988,411 |
| | 2 | Calif., Los Angeles | 23,909,618 |
| | 3 | Calif., Berkeley | 23,172,799 |
| | 4 | Stanford | 22,021,776 |
| | 5 | Toronto | 17,884,658 |
| | 6 | Yale | 17,500,450 |
| | 7 | Texas | 17,341,737 |
| | 8 | Columbia | 16,219,255 |
| 2 | 9 | Wisconsin | 15,407,508 |
| | 10 | Michigan | 15,043,241 |
| 3 | 11 | Cornell | 14,670,772 |
| | 12 | Illinois | 14,412,701 |
| | 13 | Washington | 14,064,173 |
| 4 | 14 | Minnesota | 13,830,957 |
| | 15 | Ohio State | 13,795,034 |
| 5 | 16 | Rutgers | 12,971,027 |
| | 17 | Princeton | 12,603,020 |
| | 18 | Pennsylvania State | 12,158,294 |
| 6 | 19 | British Columbia | 11,944,972 |
| | 20 | North Carolina | 11,904,851 |
| | 21 | Howard | 11,853,402 |
| | 22 | Chicago | 11,438,363 |
| | 23 | New York | 11,211,034 |
| | 24 | Virginia | 11,205,420 |
| | 25 | Calif., Davis | 11,050,200 |
| 7 | 26 | Arizona | 10,845,010 |
| | 27 | Indiana | 10,833,334 |
| | 28 | Alberta | 10,789,935 |
| | 29 | Pennsylvania | 10,377,417 |
| 8 | 30 | Calif., San Diego | 9,999,374 |
| | 31 | Southern California | 9,749,607 |
| | 32 | Northwestern | 9,732,283 |
| 9 | 33 | Duke | 8,987,554 |
| | 34 | Florida | 8,955,294 |
| | 35 | Michigan State | 8,931,867 |
| | 36 | Maryland | 8,924,714 |
| | 37 | McGill | 8,838,712 |
| | 38 | Georgetown | 8,765,504 |
| | 39 | Kansas | 8,729,853 |
| | 40 | Johns Hopkins | 8,642,380 |
| | 41 | Arizona State | 8,604,453 |
| | 42 | Calif., Santa Barbara | 8,579,806 |
| | 43 | Georgia | 8,295,813 |
| | 44 | Pittsburgh | 8,281,920 |
| | 45 | Wayne State | 8,253,120 |
| | 46 | Brigham Young | 8,162,983 |
| | 47 | Cincinnati | 8,160,766 |
| | 48 | MIT | 8,128,492 |
| | 49 | SUNY-Buffalo | 8,113,720 |
| 10 | 50 | Texas A & M | 7,985,513 |
| | 51 | Louisiana State | 7,952,084 |
| | 52 | Iowa | 7,885,305 |
| | 53 | Laval | 7,515,697 |
| | 54 | Western Ontario | 7,514,464 |
| | 55 | Washington, St. Louis | 7,480,835 |
| | 56 | Calif., Irvine | 7,470,992 |
| | 57 | New Mexico | 7,230,942 |
| | 58 | Connecticut | 7,160,539 |
| | 59 | Syracuse | 7,157,503 |
| | 60 | Boston | 7,083,954 |
| 11 | 61 | Houston | 6,932,312 |
| | 62 | Emory | 6,879,872 |
| | 63 | Kentucky | 6,802,983 |
| | 64 | Temple | 6,626,346 |
| | 65 | Hawaii | 6,554,564 |
| | 66 | Brown | 6,526,045 |
| | 67 | York | 6,515,686 |
| | 68 | Virginia Polytechnic | 6,502,600 |
| | 69 | Rochester | 6,477,439 |
| | 70 | SUNY-Stony Brook | 6,424,175 |
| | 71 | Southern Illinois | 6,397,114 |
| | 72 | Manitoba | 6,379,619 |
| | 73 | Vanderbilt | 6,246,285 |
| | 74 | Massachusetts | 6,242,017 |
| | 75 | Miami | 6,227,698 |
| | 76 | Iowa State | 6,188,827 |
| | 77 | Purdue | 6,183,812 |
| | 78 | Colorado | 6,071,049 |
| | 79 | Missouri | 6,028,612 |
| 12 | 80 | Tulane | 5,998,028 |
| | 81 | Nebraska | 5,959,578 |
| | 82 | McMaster | 5,943,163 |
| | 83 | North Carolina State | 5,929,375 |
| | 84 | Washington State | 5,873,211 |
| | 85 | Calif., Riverside | 5,766,057 |
| | 86 | Waterloo | 5,748,789 |
| | 87 | Delaware | 5,643,834 |
| | 88 | Colorado State | 5,458,964 |
| | 89 | Tennessee | 5,434,336 |
| | 90 | Queen's | 5,433,609 |
| | 91 | South Carolina | 5,414,136 |
| | 92 | Utah | 5,343,193 |
| | 93 | Florida State | 5,313,920 |
| | 94 | Case Western Reserve | 5,279,513 |
| | 95 | Kent State | 5,239,176 |
| | 96 | Oregon | 5,238,268 |
| | 97 | Oklahoma | 5,197,249 |
| | 98 | Saskatchewan | 5,088,358 |
| | 99 | Dartmouth | 5,072,300 |
| 13 | 100 | SUNY-Albany | 4,966,301 |
| | 101 | Alabama | 4,935,543 |
| | 102 | Notre Dame | 4,616,284 |
| | 103 | Rice | 4,247,855 |
| | 104 | Guelph | 4,120,152 |
| 14 | 105 | Georgia Tech | 3,866,249 |
| | 106 | Oklahoma State | 3,830,915 |

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

1- 50,000 and over
2- 45,000-49,999
3- 40,000-44,999
4- 35,000-39,999
5- 30,000-34,999
6- 25,000-29,999
7- 20,000-24,999
8- 15,000-19,999
9- 10,000-14,999
10- 5,000- 9,999
11- under 5,000

| Gp | Rank | Institution | Value |
|---|---|---|---|
| 1 | 1 | Minnesota | 150,266 |
| | 2 | Illinois | 119,420 |
| | 3 | Washington | 106,519 |
| | 4 | Wisconsin | 91,365 |
| 2 | 5 | Southern Illinois | 46,791 |
| | 6 | Calif., Los Angeles | 46,055 |
| 3 | 7 | Chicago | 41,282 |
| 4 | 8 | Arizona | 37,678 |
| | 9 | Case Western Reserve | 37,337 |
| | 10 | Texas A & M | 36,343 |
| | 11 | Kansas | 35,593 |
| 5 | 12 | Iowa | 34,632 |
| | 13 | Indiana | 32,954 |
| | 14 | Calif., Berkeley | 31,609 |
| | 15 | McGill | 31,508 |
| | 16 | Calif., Davis | 30,547 |
| | 17 | Ohio State | 30,468 |
| 6 | 18 | Wayne State | 28,850 |
| | 19 | Duke | 28,476 |
| | 20 | Harvard | 27,806 |
| | 21 | Georgia | 27,033 |
| | 22 | North Carolina State | 26,842 |
| | 23 | Cincinnati | 26,383 |
| | 24 | Pittsburgh | 26,277 |
| | 25 | Cornell | 25,627 |
| 7 | 26 | Emory | 24,870 |
| | 27 | Missouri | 23,593 |
| | 28 | Connecticut | 23,371 |
| | 29 | Columbia | 22,463 |
| | 30 | Florida State | 21,179 |
| | 31 | Michigan | 20,496 |
| | 32 | North Carolina | 20,240 |
| | 33 | Arizona State | 20,195 |
| | 34 | SUNY-Buffalo | 20,019 |
| 8 | 35 | Washington, St. Louis | 19,721 |
| | 36 | Iowa State | 19,440 |
| | 37 | Toronto | 19,301 |
| | 38 | Florida | 18,987 |
| | 39 | Tennessee | 18,974 |
| | 40 | Rutgers | 18,733 |
| | 41 | Virginia | 18,663 |
| | 42 | Stanford | 18,281 |
| | 43 | Virginia Polytechnic | 17,808 |
| | 44 | SUNY-Albany | 17,536 |
| | 45 | Kentucky | 17,456 |
| | 46 | SUNY-Stony Brook | 17,319 |
| | 47 | MIT | 17,316 |
| | 48 | Rochester | 17,310 |
| | 49 | Rice | 16,094 |
| | 50 | British Columbia | 15,724 |
| | 51 | Oklahoma | 15,407 |
| | 52 | Georgia Tech | 15,299 |
| 9 | 53 | Western Ontario | 14,394 |
| | 54 | Johns Hopkins | 14,304 |
| | 55 | Miami | 13,577 |
| | 56 | Alberta | 13,456 |
| | 57 | Northwestern | 13,213 |
| | 58 | Calif., San Diego | 13,109 |
| | 59 | Pennsylvania State | 12,293 |
| | 60 | Colorado | 12,204 |
| | 61 | New Mexico | 12,203 |
| | 62 | Calif., Irvine | 11,934 |
| | 63 | Texas | 11,876 |
| | 64 | Kent State | 11,360 |
| | 65 | Manitoba | 11,082 |
| | 66 | Vanderbilt | 10,992 |
| | 67 | Washington State | 10,944 |
| | 68 | Massachusetts | 10,941 |
| | 69 | Yale | 10,611 |
| | 70 | Laval | 10,409 |
| | 71 | Houston | 10,334 |
| | 72 | Colorado State | 10,257 |
| | 73 | New York | 10,248 |
| | 74 | McMaster | 10,224 |
| | 75 | South Carolina | 10,139 |
| | 76 | Dartmouth | 10,070 |
| 10 | 77 | Pennsylvania | 9,758 |
| | 78 | Southern California | 9,662 |
| | 79 | Oklahoma State | 9,585 |
| | 80 | Purdue | 9,579 |
| | 81 | Maryland | 9,550 |
| | 82 | Calif., Santa Barbara | 9,507 |
| | 83 | Temple | 9,139 |
| | 84 | Oregon | 9,124 |
| | 85 | Hawaii | 9,020 |
| | 86 | Utah | 8,665 |
| | 87 | Tulane | 8,511 |
| | 88 | Louisiana State | 8,290 |
| | 89 | Nebraska | 8,154 |
| | 90 | Delaware | 8,019 |
| | 91 | York | 7,408 |
| | 92 | Waterloo | 7,059 |
| | 93 | Brigham Young | 7,051 |
| | 94 | Princeton | 6,985 |
| | 95 | Brown | 6,854 |
| | 96 | Alabama | 6,823 |
| | 97 | Calif., Riverside | 6,823 |
| | 98 | Notre Dame | 6,674 |
| | 99 | Michigan State | 6,274 |
| | 100 | Georgetown | 6,238 |
| | 101 | Boston | 6,050 |
| | 102 | Syracuse | 5,926 |
| | 103 | Saskatchewan | 5,155 |
| | 104 | Queen's | 5,079 |
| 11 | 105 | Guelph | 3,282 |
| | 106 | Howard | 2,534 |

## RANK ORDER TABLE 13: TOTAL ITEMS BORROWED

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

1- 18,000 and over
2- 16,000-17,999
3- 14,000-15,999
4- 12,000-13,999
5- 10,000-11,999
6- 8,000-9,999
7- 6,000-7,999
8- 4,000-5,999
9- 2,000-3,999
10- under 2,000

| Gp | Rank | Institution | Value |
|---|---|---|---|
| 1 | 1 | Illinois | 132,383 |
| | 2 | Wisconsin | 28,310 |
| 2 | 3 | Kansas | 17,041 |
| 3 | 4 | Minnesota | 15,552 |
| 4 | 5 | Arizona State | 13,461 |
| | 6 | Johns Hopkins | 13,322 |
| | 7 | Oklahoma | 12,660 |
| | 8 | Calif., Berkeley | 12,289 |
| 5 | 9 | Pennsylvania | 11,782 |
| | 10 | Michigan | 11,603 |
| | 11 | Texas A & M | 11,161 |
| | 12 | Saskatchewan | 10,564 |
| 6 | 13 | British Columbia | 9,645 |
| | 14 | Alberta | 9,600 |
| | 15 | Brigham Young | 9,526 |
| | 16 | SUNY-Albany | 9,264 |
| | 17 | Calif., Santa Barbara | 9,191 |
| | 18 | Connecticut | 9,085 |
| | 19 | Boston | 9,027 |
| | 20 | Utah | 8,996 |
| | 21 | Case Western Reserve | 8,937 |
| | 22 | Laval | 8,905 |
| | 23 | Ohio State | 8,893 |
| | 24 | Miami | 8,876 |
| | 25 | Cincinnati | 8,736 |
| | 26 | Pennsylvania State | 8,694 |
| | 27 | Kentucky | 8,645 |
| | 28 | Indiana | 8,608 |
| | 29 | Cornell | 8,596 |
| | 30 | McGill | 8,401 |
| | 31 | Calif., Los Angeles | 8,293 |
| | 32 | Kent State | 8,196 |
| | 33 | Colorado State | 8,188 |
| | 34 | Texas | 8,177 |
| | 35 | Massachusetts | 8,130 |
| | 36 | Northwestern | 8,124 |
| | 37 | Washington, St. Louis | 8,067 |
| | 38 | Rutgers | 8,033 |
| 7 | 39 | Calif., Riverside | 7,977 |
| | 40 | Florida | 7,770 |
| | 41 | Colorado | 7,457 |
| | 42 | McMaster | 7,451 |
| | 43 | Missouri | 7,287 |
| | 44 | Calif., Irvine | 7,216 |
| | 45 | Arizona | 7,175 |
| | 46 | Toronto | 6,949 |
| | 47 | Rochester | 6,912 |
| | 48 | Dartmouth | 6,812 |
| | 49 | Pittsburgh | 6,768 |
| | 50 | Stanford | 6,734 |
| | 51 | Houston | 6,732 |
| | 52 | Columbia | 6,705 |
| | 53 | Manitoba | 6,693 |
| | 54 | New Mexico | 6,525 |
| | 55 | New York | 6,490 |
| | 56 | Tulane | 6,479 |
| | 57 | Vanderbilt | 6,427 |
| | 58 | Iowa | 6,173 |
| | 59 | Queen's | 6,117 |
| | 60 | SUNY-Buffalo | 6,022 |
| 8 | 61 | Harvard | 5,988 |
| | 62 | Calif., Davis | 5,984 |
| | 63 | Purdue | 5,975 |
| | 64 | South Carolina | 5,867 |
| | 65 | Nebraska | 5,748 |
| | 66 | Virginia | 5,639 |
| | 67 | Princeton | 5,494 |
| | 68 | Calif., San Diego | 5,418 |
| | 69 | Iowa State | 5,293 |
| | 70 | Yale | 5,240 |
| | 71 | SUNY-Stony Brook | 5,120 |
| | 72 | Emory | 5,094 |
| | 73 | Waterloo | 5,076 |
| | 74 | Oregon | 5,066 |
| | 75 | Western Ontario | 5,026 |
| | 76 | Washington | 4,983 |
| | 77 | Florida State | 4,859 |
| | 78 | Brown | 4,799 |
| | 79 | Duke | 4,790 |
| | 80 | Georgia | 4,722 |
| | 81 | Southern Illinois | 4,692 |
| | 82 | Temple | 4,654 |
| | 83 | Notre Dame | 4,542 |
| | 84 | Guelph | 4,433 |
| | 85 | Syracuse | 4,384 |
| | 86 | Oklahoma State | 4,327 |
| | 87 | Michigan State | 4,304 |
| | 88 | Chicago | 4,286 |
| | 89 | Georgetown | 4,218 |
| | 90 | Louisiana State | 4,178 |
| | 91 | North Carolina | 4,109 |
| 9 | 92 | MIT | 3,998 |
| | 93 | Alabama | 3,924 |
| | 94 | Tennessee | 3,822 |
| | 95 | York | 3,819 |
| | 96 | North Carolina State | 3,419 |
| | 97 | Washington State | 3,269 |
| | 98 | Virginia Polytechnic | 3,149 |
| | 99 | Wayne State | 2,991 |
| | 100 | Delaware | 2,972 |
| | 101 | Maryland | 2,564 |
| | 102 | Southern California | 2,325 |
| | 103 | Georgia Tech | 2,223 |
| | 104 | Rice | 2,126 |
| | 105 | Hawaii | 2,044 |
| 10 | 106 | Howard | 877 |

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

Group ranges (in thousands) are:

1- 2,700 and over
2- 2,500-2,699
3- 2,300-2,299
4- 2,000-2,299
5- 1,900-2,099
6- 1,700-1,899
7- 1,500-1,699
8- 1,300-1,499
9- 1,100-1,299
10- 900-1,000
11- 700- 8..
12- under 700

| Gp | Rank | Institution | Value |
|---|---|---|---|
| 1 | 1 | Harvard | 2,977,335 |
| | 2 | Calif., Berkeley | 2,721,203 |
| 2 | 3 | Washington | 2,603,022 |
| | 4 | Calif., Los Angeles | 2,586,502 |
| 3 | 5 | Michigan | 2,357,692 |
| | 6 | Stanford | 2,352,273 |
| 4 | 7 | Texas | 2,253,255 |
| | 8 | Toronto | 2,224,475 |
| | 9 | Ohio State | 2,224,360 |
| | 10 | Illinois | 2,224,088 |
| | 11 | Rutgers | 2,124,334 |
| | 12 | Yale | 2,100,300 |
| 5 | 13 | Columbia | 2,096,101 |
| | 14 | Minnesota | 2,094,781 |
| | 15 | Wisconsin | 2,069,812 |
| | 16 | Arizona | 2,068,870 |
| | 17 | Pennsylvania State | 2,020,659 |
| | 18 | Calif., Davis | 1,994,015 |
| | 19 | Georgia | 1,929,924 |
| | 20 | Iowa | 1,917,810 |
| 6 | 21 | New York | 1,861,619 |
| | 22 | Howard | 1,826,091 |
| | 23 | Arizona State | 1,791,653 |
| | 24 | Duke | 1,724,267 |
| | 25 | Virginia | 1,704,589 |
| 7 | 26 | Princeton | 1,664,817 |
| | 27 | Northwestern | 1,664,654 |
| | 28 | Southern California | 1,663,815 |
| | 29 | SUNY-Buffalo | 1,661,250 |
| | 30 | Syracuse | 1,619,024 |
| | 31 | Virginia Polytechnic | 1,613,900 |
| | 32 | Texas A & M | 1,604,903 |
| | 33 | Chicago | 1,591,068 |
| | 34 | Louisiana State | 1,575,166 |
| | 35 | Maryland | 1,520,743 |
| | 36 | Florida | 1,518,331 |
| | 37 | Kansas | 1,509,435 |
| 8 | 38 | Houston | 1,489,557 |
| | 39 | Missouri | 1,485,354 |
| | 40 | North Carolina | 1,481,752 |
| | 41 | Washington, St. Louis | 1,471,174 |
| | 42 | Indiana | 1,470,769 |
| | 43 | Boston | 1,468,437 |
| | 44 | Alberta | 1,454,286 |
| | 45 | North Carolina State | 1,453,408 |
| | 46 | Washington State | 1,434,573 |
| | 47 | Kentucky | 1,422,936 |
| | 48 | Iowa State | 1,417,728 |
| | 49 | Purdue | 1,417,392 |
| | 50 | Pennsylvania | 1,410,059 |
| | 51 | Nebraska | 1,410,014 |
| | 52 | Pittsburgh | 1,395,103 |
| | 53 | Western Ontario | 1,391,179 |
| | 54 | Johns Hopkins | 1,378,969 |
| | 55 | Oklahoma | 1,368,223 |
| | 56 | Southern Illinois | 1,356,337 |
| | 57 | Cincinnati | 1,337,138 |
| | 58 | Emory | 1,329,748 |
| | 59 | Colorado | 1,324,154 |
| | 60 | Calif., Irvine | 1,323,855 |
| | 61 | Michigan State | 1,317,904 |
| 9 | 62 | New Mexico | 1,284,419 |
| | 63 | British Columbia | 1,281,745 |
| | 64 | Rochester | 1,266,337 |
| | 65 | Wayne State | 1,252,768 |
| | 66 | SUNY-Albany | 1,246,967 |
| | 67 | SUNY-Stony Brook | 1,241,267 |
| | 68 | Tennessee | 1,238,400 |
| | 69 | Calif., Santa Barbara | 1,230,902 |
| | 70 | South Carolina | 1,229,488 |
| | 71 | Oregon | 1,223,281 |
| | 72 | Connecticut | 1,221,153 |
| | 73 | Florida State | 1,209,530 |
| | 74 | Miami | 1,200,178 |
| | 75 | Temple | 1,193,771 |
| | 76 | Vanderbilt | 1,192,984 |
| | 77 | McGill | 1,184,267 |
| | 78 | MIT | 1,165,914 |
| | 79 | Calif., San Diego | 1,155,299 |
| | 80 | Oklahoma State | 1,140,874 |
| | 81 | Tulane | 1,138,493 |
| | 82 | Georgetown | 1,129,669 |
| | 83 | Delaware | 1,126,791 |
| | 84 | McMaster | 1,118,889 |
| | 85 | Dartmouth | 1,115,033 |
| | 86 | Colorado State | 1,100,000 |
| 10 | 87 | Hawaii | 1,094,062 |
| | 88 | Case Western Reserve | 1,079,692 |
| | 89 | Queen's | 1,032,677 |
| | 90 | Alabama | 1,027,904 |
| | 91 | Manitoba | 1,018,437 |
| | 92 | Rice | 1,008,551 |
| | 93 | Notre Dame | 988,102 |
| | 94 | Brown | 980,674 |
| | 95 | Massachusetts | 975,253 |
| | 96 | Georgia Tech | 972,135 |
| | 97 | Saskatchewan | 963,933 |
| | 98 | York | 935,491 |
| | 99 | Calif., Riverside | 910,068 |
| 11 | 100 | Laval | 884,743 |
| | 101 | Brigham Young | 845,194 |
| | 102 | Utah | 744,805 |
| | 103 | Guelph | 709,112 |
| 12 | 104 | Kent State | 434,164 |

Figures for Cornell and Waterloo not available.

Association of Research Libraries
1527 New Hampshire Avenue, N.W., Washington, D.C. 20036 (202) 232-2466

ARL STATISTICS 1984-85

Instructions for Completion of the Questionnaire

1. Definitions of the statistical categories used in this questionnaire can be found in American National Standard for Library and Information Sciences and Related Publishing Practices - Library Statistics. Z39.7-1983. (New York, American National Standards Institute, 1983.)

2. All figures should be rounded to the nearest whole number.

3. In a university which includes both main and branch campuses, an effort should be made to report figures for the main campus only. (The U.S. National Center for Education Statistics in its Higher Education General Information Survey describes a branch campus as one "located in a community different from that of its parent institution ... beyond a reasonable commuting distance from the main campus ... The educational activities at the location must be organized on a relatively permanent basis ... and include course offerings for one or more complete college-level programs of at least one full year.") If figures for libraries located on branch campuses are reported, please provide an explanatory footnote on p. 3 of the questionnaire.

4. Questions 1-5. Use the ANSI Z39.7-1983 definition for "Volume" as noted in instruction 1 above. Include duplicates and bound volumes of periodicals. Exclude microforms, nonprint materials, uncataloged items, and government documents unless cataloged. (Government document volumes classed separately may be included if cataloged.) If any of these items must be included, please provide an explanatory footnote on p. 4 of the questionnaire.

5. Question 6. Include duplicate subscriptions and government document serials; exclude monographic and publishers' series. Because of the number of questions raised regarding the counting of serials, we call to your attention the definition to be used for this survey.

   > A publication issued in successive parts, usually at regular intervals, and as a rule, intended to be continued indefinitely. Serials include periodicals, newspapers, annuals (reports, yearbooks, etc.), memoirs, proceedings, and transactions of societies.

6. Questions 12-15 - Personnel. Report the number of staff in filled positions, or positions which are only temporarily vacant. Include cost recovery positions and staff hired for special projects and grants, but provide an explanatory footnote indicating the number of such staff on p. 4 of the questionnaire. The number of FTE staff should be determined on the basis of the length of the work week in the reporting library. Round figures to the nearest whole numbers. Please give the number of hours in the work week on p. 3 of the questionnaire.

7. Question 12. Since the criteria for determining professional status vary among libraries, there is no attempt to define the term "professional." Each library should report those staff members it considers professional, including, when appropriate, staff who are not librarians in the strict sense of the term, such as computer experts, systems analysts, budget officers, etc.

8. Questions 16-22 - Expenditures. The questionnaire assumes a fiscal year ending June 30, 1985. If your fiscal year is different, please provide a footnote on p. 4 of the questionnaire.

   Report all expenditures of funds that come to the library from the regular institutional budget and from other sources, such as research grants, special projects, and fees for service. Record the amount of funds obtained from other sources in a footnote on p. 4 of the questionnaire.

   Canadian libraries should report expenditures in both Canadian and U.S. dollars. To determine figures in U.S. dollars, divide Canadian dollar amounts by 1.3388, the average monthly noon exchange rate published in the Bank of Canada Review for the period July 1984 - June 1985.

9. Question 17. Exclude monographic and publishers' series.

10. Question 18. Include only contract expenditures. If all binding is done in-house, state this fact and give in-house expenditures in a footnote on p. 4 of the questionnaire.

11. Question 20. Exclude fringe benefits. Include federal funds for work study students.

12. Question 21. Exclude expenditures for buildings, maintenance, and fringe benefits.

13. Questions 25-26 - Ph.D. Degrees. Please note that only the number of Ph.D. degrees are to be counted. Statistics on all other advanced degrees (e.g., D.Ed., D.P.A., M.D., J.D.) are not required for this survey. If you are unable to provide a figure for Ph.D.s only, please note this in a footnote on p. 4 of the questionnaire.

14. Question 26. For the purposes of this report, Ph.D. fields are equivalent to the several hundred specific discipline specialties enumerated in the form used by the U.S. Department of Education entitled, "Higher Education General Information Survey, Degrees . . . Conferred," designated as NCES Form 2300-2.1A-1.

    Although the HEGIS form requests figures for all doctoral degrees, only fields in which Ph.D.s are awarded should be reported on the ARL questionnaire. Any exceptions should be noted in a footnote on p. 4 of the questionnaire.

15. Questions 27-30 - Enrollment. U.S. libraries should use figures reported to the Department of Education on the form entitled "Higher Education General Information Survey, Fall Enrollment and Compliance Report . . . 1984," designated as NCES Form 2300-2.3A. The line and column numbers on the HEGIS form for each category are noted on the questionnaire. Please check these figures against the enrollment figures reported to ARL in 1984 to ensure consistency and accuracy.

16. Reporting libraries are urged to record in the footnote section any information that would clarify the figures submitted, e.g., the inclusion of branch campus libraries. Explanatory footnotes will be included with the published statistics. Please make an effort to word your footnotes in a manner consistent with notes appearing in the published report, so that the ARL Office can interpret your footnotes correctly. For your convenience, a copy of your footnotes from the 1983-84 ARL Statistics is included in the questionnaire.

17. After the questionnaire has been completed please compare the figures with those submitted last year. On occasion, an error will be detected because of an unusual difference between numbers submitted this year and those for the preceding year.

18. Return one copy of the questionnaire to the ARL Office by October 5, 1985. If there are any questions about the procedure to be followed in completing this questionnaire, contact the ARL Office.

0252N

Association of Research Libraries
1527 New Hampshire Avenue, N.W., Washington, D.C. 20036 (202) 232-2466

ARL STATISTICS QUESTIONNAIRE, 1984-85

Reporting Institution _____

Questionnaire Completed by (Name) _____

Phone Number _____ Date Returned to ARL _____

COLLECTIONS (See instructions 4-5)

1. Volumes held June 30, 1984 (Exclude microforms and govt. docs.)
   (Record figure reported last year or footnote adjusted figure on p.4) _____
2. Volumes added during year - Gross
   (Exclude microforms and govt. docs.) _____
3. Volumes withdrawn during year
   (Exclude microforms and govt. docs.) _____
4. Volumes added during year - Net (Subtract line 3 from line 2) _____
5. Volumes held June 30, 1985 (Add line 1 to line 4) _____
6. Number of current serials, including periodicals, received
   (See instruction 5) _____
7. Reels of microfilm held June 30, 1985 _____
8. Number of microcards held June 30, 1985 _____
9. Number of microprint sheets held June 30, 1985 _____
10. Number of microfiche sheets held June 30, 1985 _____
11. Total microform units held June 30, 1985 (Add lines 7, 8, 9, 10) _____

PERSONNEL (See instructions 6-7) (Round figures to nearest whole number)

12. Number of professional staff, FTE _____
13. Number of nonprofessional staff, FTE _____
14. Number of student assistants, FTE _____
15. Total FTE staff (Add lines 12, 13, 14) _____

ARL Statistics Questionnaire - Page 2

| | Dollars Canadian (Canadian libraries only) | Dollars U.S. (Divide Canadian dollars by 1.3388) |
|---|---|---|
| **EXPENDITURES** (See instructions 8-11) | | |
| 16. Books, serials and other library materials | _____ | _____ |
| 17. Current serials including periodicals (See instructions 5 and 9) (Subtotal of 16) | _____ | _____ |
| 18. Binding | _____ | _____ |
| 19. Total library materials and binding (Add lines 16, 18) | _____ | _____ |
| 20. Total salaries and wages, including student assistants' wages (omit fringe benefits) | _____ | _____ |
| 21. Other operating expenditures (See instruction 11) | _____ | _____ |
| 22. Total library expenditures (Add lines 19, 20, 21) | _____ | _____ |

**INTERLIBRARY LOANS**

23. Items loaned: Originals _____; Photocopies _____; Total _____

24. Items borrowed: Originals _____; Photocopies _____; Total _____

**PH.D. DEGREES** (See instructions 12-13)

25. Number of Ph.D.s awarded _____

26. Number of fields in which Ph.D.s can be awarded _____

**ENROLLMENT - FALL 1984** (See instruction 14)

27. Total full-time students (line 14, columns 13 and 14) _____

28. Total FTE part-time students (line 28, column 15) _____

29. Total full-time graduate students (line 11, columns 13 and 14) _____

30. Total FTE part time graduate students (line 25, column 15) _____

ARL Statistics Questionnaire - Page 3

FOOTNOTES FOR ARL STATISTICS, 1984-85

(Compare with footnotes from previous year as they appear in the published ARL Statistics and revise as appropriate. For your convenience, a copy of your library's footnotes is given on p. 4 of the questionnaire.)

1. Law Library statistics are included.

☐ Yes ☐ No ☐ We do not have a Law Library.

2. Medical Library statistics are included.

☐ Yes ☐ No ☐ We do not have a Medical Library.

3. Other libraries not included:

_____

_____

4. Figures include reports from branch campus libraries. (See instruction 3.)

☐ Yes ☐ No

5. If branch campus libraries are included, please specify which campuses:

_____

_____

6. Basis of volume count is: ☐ Physical ☐ Bibliographical

7. Count of current serials (question 6) includes government document serials.

☐ Yes ☐ No

8. Fringe benefits are included in expenditures for salaries and wages (question 20).

☐ Yes ☐ No

9. Number of hours used in calculating work week:

Professional _____ Non-professional _____ Student FTE _____

ARL Statistics Questionnaire - Page 4

FOOTNOTES FOR ARL STATISTICS, 1984-85

10. Other comments:

_____

_____

_____

_____

_____

11. Footnotes as published in the 1983-84 ARL Statistics. Please indicate revisions, additions, and deletions as appropriate.

Please return completed questionnaire to the ARL Office by October 4, 1985.

Reporting Institution: _____.

0253N

# FOOTNOTES TO ARL STATISTICS, 1984-85

| Institution | Category from Main Table | Notes |
|---|---|---|
| ALABAMA | | All figures are as of September 30, 1985. |
| | (5) | Includes estimated count of government document serials for the first time. |
| ALBERTA | | All figures are as of March 31, 1985. |
| | | Excludes Extension Library, Boreal Institute Library, St. Joseph's College Library, and Map Library. |
| | (1) | 1983-84 figure revised. |
| | (5) | Includes periodicals and serials. |
| | (6-8) | The figures will be 38,929 items loaned (22,965 originals and 15,964 photocopies) if loans to provincial government libraries, Extension Library loans, and Health Sciences Library extramural loans are counted. |
| | (12-18) | Expenditures reported in Canadian dollars were: (12) $3,597,032; (13) $1,946,998; (14) $133,508; (15) $3,730,540; (16) $9,349,363; (17) $1,365,663; (18) $14,445,566. |
| ARIZONA | (1) | Includes government documents received through 1978. |
| | (16,17) | Includes special grant funds of $117,584 for salaries and wages and $5,116 for other operating expenditures. |
| BOSTON | | Includes the Theology Library. |
| | | Ph.D. count includes all doctorates other than M.D. and D.M.D. Count of Ph.D. fields based on pre-1983 NCES classification. |

| Institution | Category from Main Table | Notes |
|---|---|---|
| BRIGHAM YOUNG | | Figures are as of August 31, 1985. |
| | (4) | Includes 140,000 rolls of microfilm received as gift. |
| BRITISH COLUMBIA | (1-5,12-18) | Figures are as of March 31, 1985. |
| | (12-18) | Expenditures reported in Canadian dollars were: (12) $3,769,106; (13) 1,716,000; (14) $180,667; (15) $3,949,773; (16) $9,986,349; (17) $2,055,807; (18) $15,991,929. |
| | (13) | Estimated figure; does not include $385,000 (Can.) for 1984-85 subscriptions paid during previous fiscal year. |
| BROWN | | Includes John Carter Brown Library and Annmary Brown Library. |
| CALIF., DAVIS | | Includes Harrison Western Research Center Library Collection of 16,865 bound volumes and 57 non-document serials in Fair Oaks, California. |
| CALIF., LOS ANGELES | (1) | 1983-84 figure revised. |
| | (1-3) | Initial volume count in 1940s was bibliographical; subsequent counts of added volumes have been physical. |
| | (18) | Includes $2,044,127 for retrospective conversion and other new or previously unreported accounts. |
| | (19) | Includes librarians, analysts, accountants, principal and senior editors, managers, and subject specialists. |
| CALIF., RIVERSIDE | (12) | Includes donations and budgeted funds. |
| | (16) | Includes $42,808 in federal work study funds. |
| | (17) | Includes grants and opportunity funds. |
| | (22) | Includes 1 FTE professional, 3 FTE non professionals, and 3 FTE student assistants for project. |

| Institution | Category from Main Table | Notes |
|---|---|---|
| CALIF., SAN DIEGO | (12) | Includes $122,051 in grant and gift funds. |
| | (16) | Includes $367,793 from research grants, special projects, and fees for services. |
| | (22) | Includes 27 FTE hired for cost recovery operations, special projects, and grants. |
| CALIF., SANTA BARBARA | (1) | 1983-84 figure revised to include 58,674 items not previously counted. |
| CANADA INST. FOR SCI. & TECH. INFO. | | All figures are as of March 31, 1985. |
| | | Includes 15 branch libraries throughout Canada which serve the divisions of the National Research Council of Canada, CISTI's parent organization. |
| | (16) | Includes fringe benefits. |
| | (12-18) | Expenditures reported in Canadian dollars were: (12) $7,533,000; (13) N/A; (14) $124,000; (15) $7,657,000; (16) $6,475,000; (17) $6,645,000; (18) $20,777,000. |
| CASE WESTERN RESERVE | (1-3) | Count is physical for some libraries and bibliographical for others. |
| | (4) | Based on physical counts for some libraries. Estimates were used for microcard counts last year. |
| CHICAGO | (2) | Includes addition of 79,176 current acquisitions, a positive correction of 20,651 for serial volumes reported in 1979-80 and 1980-81, and addition of 423,658 Crerar unique physical volumes and deliberately duplicated physical volumes resulting from the merger of The John Crerar Library and the University of Chicago. |
| | (3) | Includes 4,179 physical volume withdrawals during 1984-85, and subtraction of 652,727 microform bibliographical volume equivalents which have been reported to ARL Statistics for years through 1983-84. |

| Institution | Category from Main Table | Notes |
|---|---|---|
| CHICAGO (con't) | (4) | Includes addition of an estimated 284,756 pieces of Crerar unique microforms. |
| | (11) | Does not include 4,952 borrowed from the Center of Research Libraries |
| | (22) | Includes 32 FTE on special projects. |
| CINCINNATI | (1) | 1983-84 figure revised. |
| | (21) | Includes 409,123 for development and installation of an online catalog system. |
| COLORADO | (16) | Includes $187,620 from work study funds. |
| | (19) | Includes 2.5 FTE paid from grant funds. |
| | (21) | Includes 26 FTE paid from work study funds. |
| COLORADO STATE | (16) | Includes fringe benefits. |
| | (18) | Includes special grants of $433,834 for computer upgrade and $501,200 for storage relocation. |
| COLUMBIA | (16) | Does not include $566,500 for restricted funding positions. |
| | (19-21) | Does not include 14 professionals, 11.5 nonprofessionals, and 1.5 student assistants paid from special restricted funds. |
| CONNECTICUT | | Includes Hartford Regional Library for the first time this year. |
| CORNELL | | Excludes Geneva Experiment Station. |
| DARTMOUTH | (1) | Includes government documents. |
| | (5) | Includes cataloged government documents. |
| | (19-21) | Includes 1 FTE professional, 7 FTE non-professionals, 1 FTE student assistant paid from grant funds. |
| DELAWARE | (18) | Does not include major outlay for construction and equipment. |

| Institution | Category from Main Table | Notes |
|---|---|---|
| DUKE | (1) | 1983-84 figure revised. |
| EMORY | (12-22) | Figures are as of August 31, 1985. |
| | (16) | Includes $69,556 in work study funds, and $198,461 from other sources. |
| | (22) | Includes 2.5 FTE cost recovery positions and 3 FTE paid from special project and grant funds. |
| FLORIDA | (17, 18) | Does not include $32,515 from University of Florida Foundation for books and subscriptions; $1,427,721 from Florida Center for Library Automation for automation; $271,169 from Library Auxiliary; and $152,659 in grant funds. |
| FLORIDA STATE | | Excludes Development Research School; includes branch campus in Panama City. |
| | (1-3) | Includes cataloged government documents for Law Library only. |
| | (1-4, 16) | Figures include branch campus in Panama City. |
| | (16) | Includes some fringe benefits. |
| GEORGETOWN | | Excludes Center for Population Research (2,000 volumes). |
| | (1) | 1983-84 figure revised. |
| | (18) | Figure includes $169,363 paid from special and grant funds. Figure does not include library computer costs of $43,308 as they are not charged to the Library's budget. |
| GEORGIA | | Includes experiment stations at Griffin, Tifton, Skidaway, and Sapelo. |
| | (5) | Includes some monographic series received on standing order. |
| GEORGIA TECH | (1) | Includes government documents. Some cataloged microforms included from previous years; microforms included in volume count excluded in microform count. |

| Institution | Category from Main Table | Notes |
|---|---|---|
| GEORGIA TECH (con't) | (2) | Includes government documents. |
| | (4) | Some cataloged microforms included in previous years' volume counts. |
| | (18) | Includes $437,668 paid from grants, endowments, and gift funds. |
| GUELPH | | All figures are as of April 30, 1985. |
| | (1) | Includes cataloged government documents. |
| | (12-18) | Expenditures reported in Canadian dollars were: (12) $1,811,769; (13) $949,359; (14) $82,683; (15) $1,894,452; (16) $3,431,405; (17) $190,203; (18) $5,516,060. |
| HARVARD | | Includes research institutions in District of Columbia, Texas, and Italy. |
| | (1) | 1983-84 figure revised. |
| | (18) | Separate figure for expenditures from grants and special projects not available. Expenditures do not include fringe benefits ($3,095,104), building and maintenance charged to library budget ($3,284,152), cost-recovery items ($2,368,441). Total reported expenses including these items: $33,736,108. |
| HAWAII | | Excludes Industrial Relations Library, Hawaii Institute of Geophysics Library, and School of Public Health Reference Collection, all not under university library administration. |
| | (12) | Includes $119,501 in federal grant funds. |
| HOUSTON | | All figures are as of August 31, 1985. |
| INDIANA | (1) | 1984-85 figure revised. |
| IOWA | (5) | Includes only those government documents received on paid subscriptions. |

| Institution | Category from Main Table | Notes |
|---|---|---|
| IOWA (con't) | (13) | Expenditures for monographic serials not available. |
| | (18) | Includes $46,276 in gifts, $116,878 in federal grant funds. |
| | (19-22) | Includes staff on special RECON project. |
| JOHNS HOPKINS | | Includes Peabody Conservatory Library, Welch Medical Library, School of Hygiene and Public Health Library, Applied Physics Laboratory Library, and School of Advanced International Studies in Washington, D.C. and Bologna, Italy, and the center for Italian Studies in Florence, Italy. |
| | (1) | 1983-84 figure revised to include the Center for Italian Studies in Florence, Italy for the first time this year. |
| | (22) | Includes funds obtained from other sources amounting to $484,645. |
| KANSAS | | Includes School of Medicine in Kansas City. |
| | (1-3,6-11) | Includes History of Medicine Library collection, which is not included in other figures. |
| | (19-22) | Includes 4.5 FTE professionals, and 5 FTE student assistants that are grant funded positions. |
| | | Count of Ph.D. fields includes one joint program with Kansas State, for a total of 53 fields at Lawrence campus and 9 at Medical Center in Kansas City. |
| KENTUCKY | (18) | Includes $462,852 received from sources other than regular institutional budget. |
| | (19,20,21) | Includes 2 FTE professionals, .8 FTE nonprofessional, and .4 FTE students paid from grant funds. |
| | (21) | Includes 11.6 FTE students paid through work study funds (including some non-library units). |

| Institution | Category from Main Table | Notes |
|---|---|---|
| KENT STATE | (1) | Includes cataloged government documents. |
| | (16) | Does not include Federal work study funds. |
| | (16-22) | Figures include Audiovisual Services, Computer Assisted Instruction, and Teleproductions. |
| | (17) | Includes fringe benefits and $71,043 from outside funds. |
| LAVAL | (12) | Includes $38,820 (Can.) in grant funds. |
| | (16) | Fringe benefits which are not included, total $1,046,039 (Can.). |
| | (12-18) | Expenditures reported in Canadian dollars were: (12) $2,307,529; (13) $1,184,494; (14) $87,264; (15) $2,394,793; (16) $6,892,374; (17) $774,849; (18) $10,062,016. |
| LIBRARY OF CONGRESS | (5) | Estimated figure. |
| LINDA HALL | | All figures are as of December 31, 1984. |
| | (1) | 1983-84 figure revised. |
| | (18) | Excludes $158,857 in fringe benefits; $228,655 in plant maintenance; and $10,298 in educational costs. |
| LOUISIANA STATE | | Includes Veterinary Medicine Library. |
| | (1) | Included bound government documents. |
| | (20) | Includes 2 FTE paid from federal funds for SEARL Serials Project. |
| McGILL | | All figures are as of May 31, 1985. |
| | (1) | 1983-84 figure revised. |
| | (12) | Includes Can. $758,647 in special funds and Can. $60,000 in Government grants toward specific collections. |
| | (16) | Includes Can. $171,737 for contracted security services. |

| Institution | Category from Main Table | Notes |
|---|---|---|
| McGILL (con't) | (12-18) | Expenditures reported in Canadian dollars were: (12) $3,279,660; (13) $1,585,497; (14) $177,384; (15) $3,457,044; (16) $7,660,909; (17) $715,314; (18) $11,833,267. |
| McMASTER | | All figures are as of April 30, 1985. |
| | (12-18) | Expenditures reported in Canadian dollars were: (12) $3,422,633; (13) $1,497,969; (14) $93,227; (15) $3,515,860; (16) $3,921,345; (17) $519,502; (18) $7,956,707. |
| MANITOBA | | All figures are as of March 31, 1985. |
| | (12-18) | Expenditures reported in Canadian dollars were: (12) $2,354,549; (13) $1,363,484; (14) $116,964; (15) $2,471,513; (16) $5,278,810; (17) $790,711; (18) $8,541,034. |
| | (12-14,16,17) | Includes grants (in Canadian dollars): (12) $59,816; (13) $1,663; (14) $177; (16) $45,236; (17) $8,376. |
| | (19,20) | Includes 2 FTE professionals and 1 FTE nonprofessional paid through grant funds. |
| MARYLAND | | College of Library and Information Services data are included for collections and expenditures (except salaries and wages), but not for personnel. |
| | (16,21) | Expenditures for federal work study students are not included, but these students are included in the calculation of FTE student assistants. |
| | | Ph.D. count includes all doctoral fields. |
| MASSACHUSETTS | (5) | Includes some government documents which are cataloged separately from the Government Documents Collection. |
| MIT | (18) | Includes $374,737 in grant funds. |
| | (19,20) | Includes 8 FTE professionals and 3.1 FTE nonprofessionals paid through grant funds. |

| Institution | Category from Main Table | Notes |
|---|---|---|
| MIAMI | (16) | Excludes Director's salary. |
| | (17) | Includes other sources of revenue as follows: service fees $167,059; special projects $19,122; grants $19,092; and gifts and endowments $187,949 |
| MICHIGAN | | Excludes Dearborn Campus Library, and the University of Michigan, Flint Library. |
| | (1) | 1983-84 figure revised. Includes microforms held in the Transportation Research Institute. |
| | (16) | Transportation Research Institute personnel budget is covered by parent institution except for $55.78. |
| MICHIGAN STATE | (22) | Includes 1.5 FTE paid from grant funds. |
| MINNESOTA | (1) | 1983-84 figure revised. |
| MISSOURI | (5) | Government documents included for Law Library only. |
| | (17) | Includes $207,715 from Copy Service and system-wide funds for retrospective conversion, grants, and other sources. |
| NAT. AGRIC. LIB. | | U.S.D.A. field libraries not included. |
| | | Figures are as of September 30, 1985. |
| | (16) | Includes fringe benefits. |
| NAT. LIB. OF CANADA | | Figures for holdings, interlibrary loans, and expenditures are as of March 31, 1985. |
| | (12-18) | Expenditures reported in Canadian dollars were: (12) $2,804,864; (13) $397,499; (14) $22,036; (15) $2,826,900; (16) $15,706,986; (17) $9,351,608; (18) $27,885,494. |
| | (19-22) | Figures represent headcount not FTE. |
| NAT. LIB. OF MED. | (12-22) | Statistics on personnel and expenditures reflect the Library Operations component of the National Library of |

| Institution | Category from Main Table | Notes |
|---|---|---|
| NAT. LIB. OF MED. (con't) | | Medicine, namely: Reference Services Division, Bibliographic Services Division, Technical Services Division, History of Medicine Division, Medical Subject Headings Section, and the Office of the Associate Director for Library Operations. Figures also include Library's Office of Computer and Communications Systems and the Specialized Information Services components for the first time this year. Figures also include all internal computer systems and services as well as NLM's national online network. |
| NEBRASKA | (1) | 1983-84 figure revised to include law library which was not included in 1982-83 and 1983-84. |
| | (5) | Includes cataloged government documents. |
| | (13) | Does not include expenditures for law library which are not available. |
| NEW MEXICO | | Includes law and medical libraries for the first time this year. |
| | (12) | Includes $157,608 in OCLC expenditures. |
| | | Ph.D.'s awarded include M.D. and J.D. degrees. |
| NEW YORK | (12-18) | All figures as of August 31, 1985. |
| NEW YORK PUBLIC | (12-18) | 1984-85 expenditure figures not yet available. Figures given are for 1983-84. |
| NEW YORK STATE LIB. | | All figures as of March 31, 1985. |
| | (1) | Includes government documents. |
| NORTH CAROLINA | | Includes Institute of Marine Sciences Library. |
| | (19, 20) | Includes 6 FTE professionals and 2 FTE nonprofessionals on special grant funds. |
| | (18) | Includes $1,896,214 in grants, trust, and other special funds. Does not include |

| Institution | Category from Main Table | Notes |
|---|---|---|
| NORTH CAROLINA (con't) | | $68,068 in expenditures for the Triangle Research Libraries Network from funds contributed by Duke and North Carolina State University. |
| NORTH CAROLINA STATE | | Includes Veterinary Medical Library. |
| NORTHWESTERN | | Includes Dental Library. |
| | | All figures are as of August 31, 1985. |
| | (12-18) | Includes project and grant funds as follows: (15) $363,925; (16) $141,997 of federal work study funds; (17) $42,510. |
| | (16) | Includes $232,925 in federal work-study funds. |
| | (19-22) | Includes 4.2 FTE professionals, 5.9 FTE nonprofessionals and 7.8 FTE student assistants on special grants and projects. Also includes 37 student assistants paid on federal work study funds. |
| NOTRE DAME | (4) | Does not include microforms in various departmental collections. |
| | (5) | Includes cataloged government documents. |
| OHIO STATE | | Includes University Archives. |
| | (17) | Includes expenditures attributed in previous years to the University computer center. |
| | (19-22) | Includes 1.25 FTE professionals, 1.2 FTE nonprofessionals, .8 FTE students on special grant funds. |
| OKLAHOMA | (1) | 1983-84 figure revised. |
| OKLAHOMA STATE | | Excludes OSU Technical Institute in Oklahoma City and OSU School of Technical Training in Okmulgee. |
| OREGON | (5) | Excludes duplicate subscriptions. |
| | (12) | Includes $32,329 in grant and gift funds. |
| | (19) | Includes 2 FTE paid from federal grant funds. |

| Institution | Category from Main Table | Notes |
|---|---|---|
| PENNSYLVANIA STATE | | Includes main campus and branches at Allentown, Altoona, Beaver, Berks, Delaware Co., DuBois, Fayette, Hazleton, McKeesport, Mont Alto, New Kensington, Ogontz, Schuylkill, Scranton, Shenango Valley, Wilkes-Barre, York, Behrend College, and King of Prussia Center for Graduate Studies. Excludes Capitol Campus at Middletown, Pennsylvania. |
| | (1) | 1983-84 figure revised. |
| PITTSBURGH | | Excludes branch campus libraries at Johnstown, Greensberg, Bradford, and Titusville. |
| | (1) | 1983-84 figure revised to correct for prior inclusion of microforms by Law Library. Includes cataloged government documents. |
| | (13) | Includes expenditures for annuals not reported in prior years. |
| QUEEN'S | | Figures are as of April 30, 1985. |
| | | Excludes Library of the Industrial Relations Centre. |
| | (16,19) | Does not include Chief Law Librarian. |
| | (18) | Includes funds from cost recovery Can. $173,430. |
| | (12-18) | Expenditures reported in Canadian dollars were: (12) $2,610,359; (13) $1,382,548; (14) $117,236; (15) $2,727,595; (16) $4,111,058; (17) $435,862; (18) $7,274,515. |
| RICE | (6-8) | Includes Interlibrary Loans to corporate libraries. |
| | (15,17,18) | Includes all sources of funding. |
| | (16) | Includes positions funded by external grants, contracts, and transfers from other university budgets and cost centers. |

| Institution | Category from Main Table | Notes |
|---|---|---|
| ROCHESTER | | Includes Sibley Music Library of Eastman School of Music. |
| | (1) | 1983-84 figure revised. |
| RUTGERS | | Figures include services to a non-Rutgers medical school, and campuses in Camden, Newark, and New Brunswick. |
| | (1) | 1983-84 figure revised due to adjustments made on the basis of actual book count. |
| | (19,22) | Does not include cost recovery positions and staff hired for special projects and grants. |
| SASKATCHEWAN | | Excludes Theological College libraries on campus that are not part of the library system. |
| | (12-18) | Figures as of April 30, 1985. Expenditures reported in Canadian dollars were: (12) $2,296,680; (13) $1,290,514; (14) $89,123; (15) $2,385,803; (16) $3,963,110; (17) $463,381; (18) $6,812,294. |
| SMITHSONIAN | | All figures are as of September 30, 1985. |
| | | Includes Smithsonian Astrophysical Observatory in Cambridge, Mass. and Mt. Hopkins, Ariz.; Cooper-Hewitt Museum in New York City; and Smithsonian Tropical Research Institute in Panama. Excludes Hirshhorn Museum and Sculpture Garden, Woodrow Wilson International Center for Scholars, Freer Gallery of Art, National Museum of American Art, and National Portrait Gallery. |
| | (1) | Estimated figure. |
| | (1-3) | Includes microforms in volume equivalents. |
| SOUTH CAROLINA | | Enrollment figures do not include 989 Law and Medical students. |

| Institution | Category from Main Table | Notes |
|---|---|---|
| SOUTHERN CALIF. | | Includes the Andrus Gerontology Center Library, the Hancock Library of Biology and Oceanography, and the Arnold Schöenberg Institute Library, and the Occupational Therapy/Physical Therapy and Nursing Collection. Does not include the Safety and Systems Management Library. |
| | (1) | 1983-84 figure revised to include Occupational Therapy/Physical Therapy and Nursing Collection for the first time. |
| | | Number of Ph.D.'s awarded is 1983-84 figure. |
| SOUTHERN ILLINOIS | | Excludes Center for Dewey Studies; Papers of Ulysses S. Grant; Instructional Development, Research and Evaluation Faculty of Learning Resources Service; School of Medicine Library (Springfield). Includes the School of Law Library, which is not administratively part of Library Affairs. |
| | (18) | Includes $803,421 in grant and special funds. |
| STANFORD | (12) | Includes 19 FTE paid from grant and contract funds. |
| | (12-18) | Figures are as of August 31, 1985. |
| | (18) | Includes $776,898 in grant and contract funds. |
| | (22) | Excludes $200,000 for phased purchase of Barchas Collection |
| SUNY, ALBANY | | Includes the Graduate Library of Public Affairs and Policy (formerly Hawley Library) on East campus. |
| | (14) | Includes $20,000 in grant funds. |
| | (16) | Includes $10,000 in grant funds. Excludes federal work study allocations. |
| | (17) | Includes $82,589 in grant funds and $166,494 from other sources (i.e., |

| Institution | Category from Main Table | Notes |
|---|---|---|
| SUNY, ALBANY (con't) | | revenue for services, grants, chargebacks). |
| | (12-18) | Figures are as of March 31, 1985. |
| | (22) | Includes 1 FTE professional and 1.5 FTE student assistants paid on grant funds. |
| SUNY, BUFFALO | | Figures are as of March 31, 1985. |
| | (19,20) | Includes 4 professionals and 4 nonprofessionals FTE on special projects/grants. |
| | | Ph.D.s awarded are as of June 30, 1985. |
| SUNY, STONY BROOK | | Figures are as of March 31, 1985. |
| | (12) | Includes $13,913 from Coordinated Collection Development Fund, New York State. |
| | (16) | Includes $63,844 from Income Fund Reimbursable Account, Health Sciences Library. |
| | (17) | Includes $55,418 from Income Fund Reimbursable Account, and $524 from Research Account. |
| | (18) | Includes $300,000 special grant for the Javits Collection. |
| SYRACUSE | | Excludes Utica College. |
| | (16) | Includes $105,881 for Academic Computer Center staff. |
| | (17) | Includes Academic Computer Center computer rentals, collection insurance, CRL dues, as well as regular operating expenditures. |
| | (19) | Includes 3.5 FTE in Academic Computer Center. |
| | | Ph.D.'s awarded include all doctoral degrees. |
| TEMPLE | | Excludes Journalism, Health, Physical Education, Recreation, and Dance Libraries and other departmental collections. |

| Institution | Category from Main Table | Notes |
|---|---|---|
| TEMPLE (con't) | (12-17) | Includes grants and endorsement funds as follows: (12) $31,941; (13) $167; (14) $642; (16) $11,653; (17) $ 550,972. |
| | | Ph.D. figure revised based on University's reorganized collection of statistics. |
| TEXAS | | Figures are as of August 31, 1985 and include the General Libraries, Law Library, and the Humanities Research Center. |
| | (1) | 1983-84 figure revised. |
| | (15) | Includes expenditures of $3,602,147 by General Libraries, $619,536 by Law Library, and $2,500,000 by Humanities Research Center. |
| | (16) | Includes Title II-C and federal work study funds. |
| | (22) | Includes 8.75 FTE staff hired on grant and/or recovery funds. |
| TEXAS A & M | | All figures are as of August 31, 1985. |
| TORONTO | | Reporting year changed to May 1 - April 30. All figures are as of April 30, 1985. Includes only the libraries of the university within the President's budget; excludes the libraries of the federated and affiliated institutions. |
| | (1) | Includes government documents, some of which are cataloged. |
| | (5,13) | Includes monographic series. |
| | (12-18) | Expenditures reported in Canadian dollars were: (12) $5,746,[illegible] $2,978,127; (14) $245,252; (15) $5,991,670; (16) $16,035,838; (17) $1,916,472; (18) $23,943,980. |
| TULANE | | Includes Delta Primate Center in Covington, La. |
| | (4) | Excludes holdings for Medical Library. |
| | (16) | Includes some fringe benefits. |

| Institution | Category from Main Table | Notes |
|---|---|---|
| VANDERBILT | (4) | Includes microfiche collection not previously counted. |
| | (6-11) | Excludes Law Library. |
| VIRGINIA POLY. | | Includes "open reserve" collection of approximately 10,000 volumes at Northern Virginia Graduate Center in Falls Church, Virginia. |
| | (5) | Estimated figure. |
| WASHINGTON | (1) | 1983-84 figure revised. |
| | (5) | Includes only government document serials that are cataloged. |
| | (12,13) | Includes: (12) $105,065 and (13) $20,284 in gifts and grants. |
| | (16,17) | Includes (16) $500,631 and (17) $430,102 from grants and fee-based services, and contracts. |
| | (19-22) | Includes 8 FTE professionals, 11.5 FTE nonprofessionals, 18.3 FTE students paid from cost recovery, grants, and contracts. |
| WASHINGTON STATE | (5) | Includes government document serials. |
| | (16-18) | Includes expenditures for Instructional Media Services. |
| | (21) | Includes staff for Instructional Media Services. |
| WATERLOO | | Figures include the Engineering, Mathematics and Science Library and the University Map and Design Library. |
| | | Figures as of April 30, 1985. |
| | (1) | Includes cataloged government documents. |
| | (12-18) | Expenditures reported in Canadian dollars were: (12) $2,831,020; (13) N/A; (14) $68,781; (15) $2,899,801; (16) $4,314,075; (17) $482,603; (18) $7,696,479. |

| Institution | Category from Main Table | Notes |
|---|---|---|
| WAYNE STATE | | All figures are as of September 30, 1985. |
| | (1) | 1983-84 figure revised to include 12,122 "in-process" materials and 23,078 volumes not previously counted. |
| | (12-18) | Includes funds for University Archives as follows: (12) $3,400; (13) $1,500; (14) $500; (16) $311,162; (17) $37,000. |
| | (19-21) | Includes 13 FTE professionals, 3 FTE nonprofessionals, and 4 FTE student assistants from University Archives. |
| WESTERN ONTARIO | | Figures are as of April 30, 1985. |
| | | Excludes libraries of 3 affiliated colleges, School of Library and Information Science, and departmental libraries. |
| | (1) | 1983-84 figure revised. |
| | (12-18) | Expenditures reported in Canadian dollars were: (12) $3,953,707; (13) $1,862,511; (14) $37,870; (15) $3,991,577; (16) $5,746,424; (17) $322,364; (18) $10,060,365. |
| WISCONSIN | (18) | Includes $998,504 obtained from other sources. |
| YALE | | Includes Lewis-Walpole Library in Farmington, Connecticut. |
| YORK | | All figures are as of April 30, 1985. |
| | | Includes Glendon campus. |
| | (12) | Includes $62,840 in gifts, and $68,163 in trusts (reported in Canadian dollars). |
| | (12-18) | Expenditures reported in Canadian dollars were: (12) $2,784,751; (13) $1,252,435; (14) $169,785; (15) $2,954,536; (16) $4,744,695; (17) $1,193,770; (18) $8,893,001. |
| | | Statistical information on enrollments is in fiscal full-time equivalents. |

## ARL STATISTICAL PUBLICATIONS

1. ARL Statistics.

Published annually. Formerly Academic Library Statistics; title changed with 1974-75 edition.

a. 1963-64 to date.

Current issued available from the Association. Price: $15.00 per issue (ARL members, $10.00). When out-of-print, this publication may be ordered from:

ERIC Document Reproduction Service
P.O. Box 190
Arlington, Virginia 22210

b. 1919-20 to 1962-63.

Compiled by Princeton University Library and available from:

University Microfilms International
300 North Zeeb Road
Ann Arbor, Michigan 48106

1) 1944-45 to 1962-63. Special Film No. S-338.

Published as "Princeton University Library Statistics."

2) 1919-20 to 1943-44. AG 1-OP30634.

Originally published in 1947 under title: College and University Library Statistics.

2. Cumulated ARL University Library Statistics, 1962-63 through 1978-79. 1981.

Compiled by Kendon Stubbs and David Buxton for the Committee on ARL Statistics. Includes ARL annual statistics and salary data, plus data on university enrollments, expenditures, federal support, and Ph.D.'s awarded from non-ARL sources and not included in the printed ARL Statistics.

a. Book format. Available from the Association. Price: $15.00 (ARL members, $10.00).

b. 1600 b.p.i., 9-track magnetic tape. Suitable for use with SPSS, BMDP, SAS, and other statistical software. Price: $40.00 (with documentation).

Order from: Kendon L. Stubbs
Alderman Library
University of Virginia
Charlottesville, Virginia 22901

3. The Gerould Statistics, 1907/08-1961/62.

Compiled by Robert Molyneux. A compilation of data on ARL libraries, begun in 1908 by James Thayer Gerould, and later continued as the "Princeton" Statistics. All variant figures have been traced and sources annotated, and graphs prepared of individual library data. Data will be available in machine readable form as well. To be published Spring 1986.

4. The ARL Library Index and Quantitative Relationships in the ARL. 1981.

A detailed description of the index developed as a summary indicator of relative ARL library size, prepared by Kendon Stubbs for the Committee on ARL Statistics. Available from the Association. Price $5.00 (ARL members, $2.50)

5. ARL Annual Salary Survey.

Published annually since 1967-68. Provides data on beginning and median professional salaries, as well as numbers and average salaries for positions in ARL university libraries and distribution of these positions by sex and minority group, and by location, size, and type of institution.

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Arlington, Virginia 22210

6. Objective Performance Measures for Academic and Research Libraries. 1984

Prepared by Paul B. Kantor of Tantalus, Inc., for the Association of Research Libraries. A manual to help libraries analyze their operations and services. Performance measures covered include: availability of library materials, accessibility of library materials, and delay analysis. Available from the Association. Price: $25.00

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